

Botanical Index to the Journal of Henry David Thoreau

Ray Angelo

Originally published 1984; with some corrections on the internet 1997- ;
2023 as a pdf file (with some updating) on the Internet Archive



Lygodium palmatum
Climbing Fern at the site Thoreau
found it (photo by Ray Angelo, 1978)

Introduction to the pdf version 2

The Language of Concord's Fields by John M. Dolan (original) 3

Author's Preface (original) 8

Thoreau as Botanist (updated) 9

Use and Construction of the Index (revised) 22

Botanical Bibliography (revised) 27

Botanical Index (with some corrections)

A ... 31 B ... 59 C ... 77 D ... 115 E ... 122 F ... 132 G ... 137 H ... 149
I ... 165 J ... 168 K ... 171 L ... 172 M ... 189 N ... 201 O ... 205 P ... 217
Q ... 251 R ... 252 S ... 266 T ... 297 U ... 306 V ... 309 W 318
X-Y-Z ... 327

Notes (for numbered superscripts in the *Index*, revised) 327

Introduction to the pdf version

This work was originally published in two forms in 1984 at about the same time – as the 15th volume of *The Thoreau Quarterly* and as an additional volume to the boxed paperback edition of Thoreau's complete 14-volume *Journal*, a Peregrine Smith Book published by Gibbs M. Smith, Inc. A version of this *Index* was created for this author's web site in 1997 and some corrections made to it there over the years. Since that web site will eventually expire, this pdf version of it has been created to store it on the Internet Archive for the long term.

Some additional corrections, updating and revisions have been made for this pdf version. However, a comprehensive review and revision of this work has not been made. Such a revision would require a massive effort. The nomenclature of vascular plants has undergone significant changes since the time of first publication of this work in 1984 when *Gray's Manual of Botany* 8th ed. (1950) was still regarded as a standard reference. However, genetic studies and taxonomic reviews now require continuing changes to scientific plant names. In addition, differing professional opinions make it difficult for one reference to be accepted as the standard for vascular plant names. The ongoing *Flora of North America* project would seem to be such a reference. But its long, unfinished production has resulted in names of the volumes published early having already been changed, and names yet to be published in unfinished volumes not being available. Thus, the policy adopted here is to leave the *Gray's Manual* 8th ed. names used in this *Index* in place. These names can be translated into the latest names by consulting synonymies provided in more modern publications. Such a reference is this author's *Vascular Flora of Concord, Massachusetts* (2021) on the Internet Archive for names of species occurring in Concord, i.e., the bulk of the names used in this *Index*. For names of species in New England generally the user can consult the *Atlas of the Flora of New England* (2023) by this author and David E. Boufford on the Internet. For most plant names in North America the *Flora of North America* in print or on the internet can be consulted. See the Botanical Bibliography below for details for these references. However, some newer use of scientific names is referred to in the revised Notes and updated essay on Thoreau as Botanist, but not in the main part of the *Index*. In these other sections the word “modern” is used for those instances.

The generous efforts of the editors of *The Thoreau Quarterly* (which suspended publication in 1986) were instrumental in bringing the original manuscript into print, shaping its appearance and improving it with numerous constructive suggestions. These editors, Dr. John M. Dolan, Dr. Wendell Glick and Dr. Sandra Menssen, generously allowed this work to appear as an internet document.

The task of producing this pdf version was greatly facilitated by the earlier efforts of Bradley P. Dean and Austin Meredith, who played a key role in bringing this work into electronic form for its first appearance on the web. Mr. Dean approached the author and

one of the editors with the aim of making available the *Index* in electronic form to scholars and visitors at a Thoreau research center (planned at that time and now operational as the Thoreau Institute in Lincoln, MA). Mr. Meredith managed to rescue a nearly final electronic version of the text from some obsolete computer diskettes and spent much time working to format the text for one of his anticipated projects.

The text was then put into HTML format by this author, enhanced with last minute corrections that made it into print after the final electronic draft, as well as later with post-publication corrections to the text. Not feasible in this pdf version are the web links between the superscripted note references and the notes themselves.

One final note is that a number of the more scholarly and complete volumes of the Princeton Edition of Thoreau's *Journal* were published after the publication of this *Index*. These contain passages previously unpublished, many containing botanical information deemed too technical by editors of the 1906 edition of the *Journal*. Such omitted botanical information increased in Thoreau's later years. The greatest amount of it will not be published until/unless the remaining volumes of his *Journal* are published. However, some of the unpublished references are noted in this author's *Vascular Flora of Concord, Massachusetts* (2021). Only the meager number of botanical references of the first volume of the *Journal* of the Princeton Edition are included in this *Index*.

The Language of Concord's Fields (original) by John M. Dolan (co-editor of *The Thoreau Quarterly*)

You have before you a book which contains a study of Thoreau's accomplishments as a botanist and a comprehensive botanical index to the fourteen volumes of the new edition of his *Journal*. What Henry David Thoreau said about Climbing Fern can be said about the combination of knowledge, experience, devotion, and scholarship that produced this book: "It is rare."

But before saying anything about the author of this book or the history of its production, an obvious question must be answered. Why a *botanical* index to Thoreau's *Journal*? Wasn't Thoreau concerned with more than flowers? And isn't it a mistake in any case to think of him simply as a naturalist? Indeed, might it not be an error even to suppose him a naturalist at all? Doesn't Emerson tell us (in his celebrated funeral eulogy) that Thoreau "though very studious of natural facts ... was incurious of technical and textual science?"

A reading of Ray Angelo's "Thoreau as Botanist," the essay that opens this volume, and a glance at Angelo's index of the vast proliferation of Latin and other technical botanical terms with which Thoreau's writing abounds will disabuse you of the notion

that Thoreau was "incurious of technical and textual science" and persuade you that he was indeed a botanist. Still, if he was a botanist, he was also a surveyor, a classicist, a poet, a pencil-maker, a philosopher, a writer, and yet other things, so the question remains: Why a *botanical* index to his *Journal*?

Without doubt, botanizing absorbed much of Thoreau's energies, and his fascination with the mysterious and luxuriant world of living plants made its mark on many of his most memorable passages. A botanical index to his *Journal* will bring the reader to many more and many more important passages than would be an index to his numerous references to surveying, say, or pencil-making, but there is more to be acknowledged here than that. The connection between Thoreau's absorption in the rich world of living plants, in particular, the plants of Concord, and his creative growth as an artist and thinker is quite intimate.

A journal entry dated 20 November 1857 suggests something of the character of this intimacy:

If a man is rich and strong anywhere, it must be on his native soil. Here I have been these forty years learning the language of these fields that I may better express myself. If I should travel to the prairies, I should much less understand them, and my past life would serve me but ill to describe them. Many a weed here stands for more life to me than the big trees of California would should I go there.

Thus it is that, at age twenty-two, Thoreau is assuring us that:

Nature will bear the closest inspection. She invites us to lay our eye level with her smallest leaf, and take an insect view of its plain. (*Journal*, 22 October 1839)

And nearly twenty years later, when informing us of the degree to which we must rely on our own resources, he writes:

You must prevail of your own force, as a plant springs and grows by its own vitality. (*Journal*, 3 April 1858)

Throughout his life, the green and powerful and inexhaustible world of living plants lent something of its mysterious life to his language and thought. In what does genuine human success consist? In *Walden* Thoreau tells us:

If the day and the night are such that you greet them with joy, and life emits a fragrance like flowers and sweet-scented herbs, is more elastic, more starry, more immortal, -- that is your success.

A 'fragrance like flowers and sweet-scented herbs" is the mark of that success. And, in the same book, he asks:

Shall I not have intelligence with the earth? Am I not partly leaves and vegetable mould myself?

In the *Maine Woods*, he writes:

Strange that so few ever come to the woods to see how the pine lives and grows and spires, lifting its evergreen arms to the light -- to see its perfect success, but most men are content to behold it in the shape of many broad boards brought to market, and deem that its true success!

And the celebrated sentence from that book which James Russell Lowell suppressed in the *Atlantic Monthly* concerns the pine tree:

It is as immortal as I am, and perchance will go to as high a heaven, there to tower above me still.

One of the more splendid entries in the *Journal* (24 January 1856) concerns the elms:

I find that into my idea of the village has entered more of the elm than of the human being ... They look from township to township ... They battle with the tempests of a century. See what scars they bear, what limbs they lost before we were born! Yet they never adjourn; they steadily vote for their principles, and send their roots further and wider from the *same centre*. They die at their posts, and they leave a tough butt for the choppers to exercise themselves about, and a stump which serves for their monument. They attend no caucus, they make no compromise, they use no policy. Their one principle is growth.

And the following agricultural characterization of the writer's art strikes us as perfectly just and natural:

It is a great art in the writer to improve from day to day just that soil and fertility which he has, to harvest that crop which his life yields, whatever it may be, not be straining as if to reach apples or oranges when he yields only ground-nuts. (*Journal*, 9 November 1858)

It is scarcely surprising that Emerson, in his eulogy, described Thoreau as "the attorney of the indigenous plants" and chose for an emblem of his life a rare flower "which grows on the most inaccessible cliffs of the Tyrolese mountains" and whose name, *Edelweisse*,

"signifies *Noble Purity*." "Thoreau," Emerson said, "seemed to me living in the hope to gather this plant, which belonged to him of right."

Enough about the special justice of a botanical index to Thoreau's *Journal*. We promised a word about the author of the present volume and some information about the history of its production.

Let us turn then to Ray Angelo. Thin as a rail, about six feet in height, laconic in utterance, disciplined, tenacious, jealous of his freedom, possessed of quick intelligence, as reserved and quiet as the woodlands he spends so much of his time in, Ray Angelo is an inhabitant of Concord, Massachusetts. The biographical note drawn up for him when the present volume was scheduled to appear exclusively as a special issue of the *Thoreau Quarterly* read as follows:

RAY ANGELO is curator of vascular plants for the New England Botanical Club and co-curator of natural history collections at Harvard's Concord Field Station (Bedford, Massachusetts). After completing three years of graduate work in theoretical physics at Brandeis University, he turned to the pursuit of natural history as an amateur. His chief interests are New England woody plants and beetles, with particular emphasis on the flora and fauna of Concord, Massachusetts. His publications include two field guides (*Concord Area Trees* and *Concord Area Shrubs*) published by Harvard's Museum of Comparative Zoology, and a number of articles which have appeared in such journals as *The Thoreau Society Bulletin*, *Rhodora*, and *The Concord Saunterer*. He is now working with a Harvard botanist on an atlas of the vascular plants of New England.

Among other things, this dry summary omits any sense of the depth and intensity of Angelo's attachment to the natural world of Concord. It omits also any clue of the special discoveries he has made and the ways in which he has illuminated Thoreau's relation to Concord.

Consider one episode. It concerns the unusual fern mentioned at the outset: Climbing Fern (*Lygodium palmatum*). Thoreau discovered this rare plant in Concord's Ministerial swamp in the course of making a survey there on 24 November 1851. A later *Journal* entry (30 July 1853) describes the plant:

It is a most beautiful slender and delicate fern, twining like [a] vine about the meadow-sweet, paniced andromeda, goldenrods, etc., to the height of three feet or more, and difficult to detach from them ... Our most beautiful fern, and most suitable for wreaths or garlands. It is rare.

Thoreau revealed the location of this unusual plant to a few trusted friends, including Minot Pratt (1805-1878). For nearly seventy years, the knowledge of the exact location of this colony was preserved, but sometime after 1920 it was lost. Over the next half-century, more than one able botanist combed the Ministerial Swamp searching for Thoreau's colony of Climbing Fern, but no one found it. Richard Eaton conjectured in his *A Flora of Concord* that the colony had been exterminated by the dumping of rubbish.

Ray Angelo faced the problem posed by this situation with wonderful resourcefulness. What was Thoreau doing when he discovered Climbing Fern? He was making a survey. Well, reasoned Angelo, it is possible that he marked the location of the fern on the survey map he produced. Further, that survey map may be preserved in the Concord Free Public Library. Acting on this intuition, Angelo consulted the holdings of the library. The map was there! And at one point in tiny lettering it contained the name "Lygodium"! Angelo headed out to the swamp on 6 November 1978 with a photocopy of Thoreau's survey map in hand, and after diligent searching discovered the long-lost colony of Climbing Fern. Thus, he recovered something precious and taught us several lessons: about Thoreau's accuracy, about the care with which Thoreau's papers have been preserved, about the remarkable degree to which the natural world Thoreau knew in Concord has been preserved, and about the value of being "forever on the alert" and ready to use one's wits.

This, then, is the man who resolved to tackle the project of tracking down every botanical reference in the fourteen volumes of Thoreau's *Journal*. A vast undertaking. Quite apart from demanding a mastery of botany, a thorough knowledge of New England flora, and an exact knowledge of the shifts in common and scientific names and in species identifications over the past century and a quarter, the task requires that one pore over thousands of pages of text. For years, without any grant support or salary, without even any promise of future financial reward, without even any expectation that his work would be published, Ray Angelo devoted himself to this task. Moreover, he carried it out with such astonishing accuracy that his work calls to mind Aristotle's remark that "those who work with pleasure always work with more discernment and with greater accuracy." In an attempt to gauge Angelo's accuracy, we randomly selected 358 entries in his manuscript and were stunned to discover that the only error in all that material was a single missing pair of parentheses.

The copyediting and typesetting of the present volume were carried out by the staff of the *Thoreau Quarterly*. Under a happy arrangement agreed to by the editors of the *Quarterly* and the representatives of Peregrine Smith Books, this book is appearing simultaneously as a special issue of the *Quarterly* and as an added index to this new edition of Thoreau's *Journal*. The happy coincidence that the volume is the fifteenth in the *Thoreau Quarterly*'s succession of annual volumes and the fifteenth in this edition confirms the felicity of the collaborative publishing venture.

Whatever your specific interests or inclinations, the fourteen volumes of Thoreau's *Journal* are made more valuable and accessible by the present book. This book charts and renders more clearly visible a vast pattern of life coursing through them. Whether you are a lover of literature, a student of Thoreau's work as a naturalist, an historically-minded botanist, someone searching for a striking quotation to place beneath a wildflower photograph, a student of American literature, or simply someone who loves flowers and trees and the writings of Henry David Thoreau, the present volume can be relied on to provide you with many hours of pleasure and instruction. For Thoreau's accomplishments as a pure lover of the natural world and of knowledge, a member of the tradition of the authentic devoted amateur, are here illuminated by the labor of another member of that worthy tradition.

Author's Preface (original)

A wealth of observations and commentary on the wild plants of Concord, Massachusetts lies strewn on the pages of Henry Thoreau's *Journal*. For those who approach Thoreau primarily as social critic, poet, philosopher, or prose writer his preoccupation in the *Journal* with Concord's flora is only so much chaff to be winnowed out. But for others who approach Thoreau as naturalist or who seek the whole Thoreau this "chaff" is just as wholesome as the grain.

Considering the extent to which the *Journal* is permeated with botany, it is surprising that to date no detailed account of Thoreau's sojourn into this realm of science has been published. The essay contained in the present work is intended to remedy this lack. While most readers will be concerned only with the role botany played in the life of Thoreau and in his writings, many others will value his botanical observations and notes for their own sake, in addition to what they might reveal about the man.

Several barriers presently frustrate modern readers in their attempt to access and understand the botanical information buried in the *Journal*. First, the only existing index, that of the 1906 edition, makes but a halfhearted attempt to gather and interpret Thoreau's references to plants. Second, the identity of many citations has been obscured by changes in scientific nomenclature since Thoreau's time and since 1906. Third, many of the common names used by Thoreau are obsolete or are peculiar to him. Some of these common names are applied to other species in modern guides and manuals, creating much confusion. To remove these obstacles and provide the key to Thoreau's botanical lore, the present work has been compiled.

This index is the first systematic collection of plant names used by Thoreau in his *Journal*. Specifically, all references to wild or ornamental vascular plants have been gathered. This includes wild flowers, ferns, trees, shrubs, grasses, and sedges but not mosses, lichens, mushrooms, fungi, or crop plants. Thoreau's names have been

translated into modern common and scientific names and cross-referenced. Starting with a modern common name or scientific name, all page references in the *Journal* may be found for a given species using this index.

The uses for a reference work of this kind are various. The flora of Concord comprises a large proportion of the flora of New England which in turn comprises a large proportion of the flora of the northeastern United States. Consequently, a large readership is enabled to relate more readily to the very same floral phenomena that inspired Thoreau. Students of historical ecology are provided with an avenue to gauge the abundance or scarcity of a multitude of species for eastern Massachusetts in the 1850s. Writers seeking a Thoreauvian gem about a particular flower with which to inlay their art, or naturalists seeking a new observation about their favorite shrub, will now have a road map to every corner of the *Journal* volumes.

Finally, this index should prove indispensable in the location of current stations for many uncommon or locally rare plants in Concord. For those of us privileged to tread the same woodland paths and penetrate the same swamps and bogs that were Henry Thoreau's haunts over a century ago, this index will be the key to revealing how much of what he knew remains to be appreciated by the present generation. It is this last use that provided the primary motivation for the compilation of the index.

I wish to thank Mary Walker, with whom the idea for a botanical index to Thoreau's *Journal* originated, and who generously permitted use of her reference library. Dorian Kottler rendered invaluable service with her expert proofreading. Cynthia Walker kindly made available her electric typewriter. I am grateful for the use of reference materials at the Concord Free Public Library, in particular for the assistance of reference librarian Marcia Moss. Thanks also go to the New England Botanical Club for use of the Thoreau specimens in their herbarium. Lastly, I am very appreciative of the access permitted to Thoreau's herbarium by the Gray Herbarium Library of Harvard University.

Thoreau as Botanist (updated)

Thoreau was not the first to botanize in Concord, Massachusetts. Two brothers, Drs. Edward and Charles Jarvis, of the generation before him collected many specimens in the town before Henry had graduated from Harvard. Thoreau certainly was not the last to botanize here. His writings have fueled an interest in the flora of Concord that extends uninterrupted nearly two centuries to the present day. There is probably no other township in New England that has had such long-standing and continuous attention devoted to its plants. Adorned with rivers, lush meadows, ponds, bogs, and calcareous cliffs, the venerable settlement has rewarded botanists with a floral variety unmatched, perhaps, by any other area in New England of comparable size (1,266 species and counting).

The beginnings of Thoreau's exposure to the science of botany date back to his schooldays at the Concord Academy (1828-33), where botany was one of the disciplines taught by Phineas Allen. Also at this time he attended lectures at the Concord Lyceum which included botany among other topics. When Thoreau attended Harvard (1833-37) botany was not offered as a course in itself, but was included under natural history taught by the noted entomologist Thaddeus W. Harris. About this time a boarder with the Thoreau family, Prudence Ward, shared with him her interest in botanical studies. Thoreau later recollected (Dec. 4, 1856, *Journal*) that during this period he began to use Jacob Bigelow's *Florula Bostoniensis, a Collection of Plants of Boston and its Vicinity* (no doubt the second edition of 1824). Primarily he was looking for popular names of plants and references to localities. Since he used no system, the Latin names he learned at this time were soon forgotten.

Upon graduation from Harvard Thoreau did some school teaching in his native town. Natural history was one of the subjects he taught. He told his pupils that he knew the blossoming times of the local flowers well enough that he could determine what month it was by what was in flower. In 1842 he was asked to review for *The Dial* a series of natural history reports commissioned by the Commonwealth of Massachusetts. Included in the series was Rev. Chester Dewey's *Report on the Herbaceous Plants of Massachusetts*. The ostensible review, entitled "Natural History of Massachusetts," does not include a single Latin plant name, perhaps intentionally. Thoreau's concern was that mere lists of plants (which Dewey's work essentially was) were an inadequate expression of the state's floral resources. At this time Thoreau's botanical knowledge was insufficiently scientific for him to comment in detail on the technical merits of the report had he wanted to. Moreover, he had not travelled widely enough in Massachusetts to judge its completeness.

What survives of Thoreau's *Journal* and correspondence from the 1840s shows little stirring in the direction of scientific botany. In a letter to his sister, Sophia, on May 22, 1843, from Staten Island he writes, "Tell Miss Ward I shall try to put my microscope to a good use, and if I find any new and pressible flower, will throw it into my common place book." Thoreau's first use of a Latin name for a plant appears to be in his *Journal* (vol. 2, p. 9, Princeton edition) where he refers to "Mikania scandens," climbing hempweed, on September 12, 1842. This same passage in slightly modified form appears in Thoreau's *A Week* in 1849 (p.44, Princeton edition).

The first use by Thoreau of a scientific name for a native plant in his published work appears to occur in 1848. The name "pinus nigra" is found in the original version of the Ktaadn essay that appeared in the *Union Magazine of Literature and Art* of that year. This was the name for black spruce (*Picea mariana*) used in Bigelow's manual. In a later version of the text Thoreau changed the name to that used in Asa Gray's manual, namely "*Abies nigra*," and also inserted an additional Latin name, "*Vaccinium vitis-*

idaea." Thoreau's background in classical languages and his delight in etymology naturally attracted him to the Latin (and Greek) names of science.

Two events in the later 1840s played a major role in stimulating Thoreau's interest in systematic natural history. The first was the arrival in 1846 of a "true giant" in the realm of science at the time -- naturalist Louis Agassiz, who accepted an appointment at Harvard. As A. Hunter Dupree has noted: "Not only his attainments but his remarkable personality created a sensation among the local scientists." The very next year Thoreau's correspondence with Agassiz's assistant, James Elliot Cabot, included frequent use of scientific nomenclature to discuss the collection of animal specimens.

The second event, which more directly crystallized Thoreau's botanical inclinations, was the publication in 1848 of the first edition of Asa Gray's *Manual of Botany*. The appearance of this work heralded the end of a long period during which New England botany had languished at a relatively rudimentary level. This manual for the identification of vascular plants, mosses, and liverworts of the northeastern United States was as dry as Dewey's report and Bigelow's manual, but it was far more comprehensive and accurate.

Two years earlier George B. Emerson's *Report on Trees and Shrubs Growing Naturally in the Forests of Massachusetts* had appeared. This work, while much more limited in scope, devoted more attention to the occurrence and usefulness of each species than any previous manual, and its descriptions were more detailed. Both Gray's manual and Emerson's report made use of a natural system to arrange their species rather than the artificial system of Linnaeus adopted by Bigelow. The availability of these two volumes, which were unlike any that had come before in New England, could not help but encourage a more systematic study of plants by Thoreau.

Thoreau's first work touching upon natural history after these events was *A Week on the Concord and Merrimack Rivers*, published in 1849. In this book Thoreau finally injects a measured dose of Latin nomenclature into his nature writing, particularly with respect to fishes. Agassiz is even mentioned. Thoreau's application of scientific names to plants, however, is sparing -- limited to eight plants, all of them relatively common and easy to distinguish.

In the 1906 edition of Thoreau's *Journal* the first Latin name for a native plant occurs in an entry for May 1850--"*Prunus depressa*" (now *Prunus pumila* var. *depressa*, sand cherry). From August 31 of this year onward, the use of scientific plant names becomes a regular feature of the spring, summer, and autumn pages of the *Journal*. Thoreau recalled later (Dec. 4, 1856, *Journal*) that this was about the time he returned to the study of plants with more method. The year 1850 is also that to which the earliest specimens in his organized herbarium belong.

Over the next three or four years Thoreau undertook an intensive program to develop his mastery of Concord's flora. He read or consulted botanical works by Francois Andre Michaux, Edward Tuckerman, John Loudon, Thomas Nuttall, Asa Gray, and Carolus Linnaeus. In his *Journal* he noted comparisons of the artificial Linnaean ordering of plants with natural systems, but always with the comment that neither addressed the poetical aspects of plants. When he sought the literature rather than the science of plants he was told to his dismay by naturalist and Harvard librarian, Thaddeus W. Harris, that he had already read all there was.

His efforts in the field during these years produced complaints of too much observation:

I have the habit of attention to such excess that my senses get no rest, but suffer from constant strain. ... When I have found myself ever looking down and confining my gaze to the flowers, I have thought it might be well to get into the habit of observing the clouds as a corrective; but no! that study would be just as bad. (Sept. 13, 1852, *Journal*)

I feel that I am dissipated by so many observations. ... I have almost a slight, dry headache as the result of all this observing. (March 23, 1853, *Journal*)

In the winter of 1852, when there were no flowers to observe, he undertook the study of lichens.

Not surprisingly, the conflict between Thoreau the Artist and Thoreau the Naturalist began to surface: "What sort of science is that which enriches the understanding, but robs the imagination?" (Dec. 25, 1851, *Journal*); "I have become sadly scientific" (July 13, 1852, Letter to Sophia Thoreau).

It is somewhat startling to realize what Thoreau did not know at the start of his program in 1850 -- particularly with respect to woody plants. Thoreau, three years after his stay at Walden Pond, had never distinguished the first native tree to blossom in spring, Silver Maple (*Acer saccharinum*) (May 1, 1852, *Journal*); was unaware that but one type of spruce, Black Spruce (*Picea mariana*), occurred in Concord (May 25, 1857, *Journal*); could not distinguish Poison Ivy (modern name *Toxicodendron radicans*) from Poison Sumac (modern name *Toxicodendron vernix*) (May 25, 1851, *Journal*); and did not know the Common Witherod (*Viburnum cassinoides*) (Sept. 11, 1851, *Journal*). Thoreau later recalled this state of ignorance:

I remember gazing with interest at the swamps about those days and wondering if I could ever attain to such familiarity with plants that I should know the species of every twig and leaf in them, that I should be acquainted with every plant (excepting grasses and cryptogamous ones),

summer and winter, that I saw. Though I knew most of the flowers, and there were not in any particular swamp more than half a dozen shrubs that I did not know, yet these made it seem like a maze to me, of a thousand strange species, and I even thought of commencing at one end and looking it faithfully and laboriously through till I knew it all. I little thought that in a year or two I should have attained to that knowledge without all that labor. (December 4, 1856, *Journal*)

During the early 1850s Thoreau's passion for recording flowering dates and leafing of woody plants dawned. He described the great lengths he went to at times to ascertain the exact date a particular flower opened -- "running to different sides of the town and into neighboring towns, often between twenty and thirty miles in a day" (Dec. 4, 1856, *Journal*). Understandably, he noted: "One has as much as he can do to observe how flowers successively unfold" (June 15, 1852, *Journal*). His fascination for flowering dates never abated. It was always a victory to discover a new station for a plant with an earlier blossom time: "It will take you half a lifetime to find out where to look for the earliest flower" (April 2, 1856, *Journal*). In his last years Thoreau organized this and other phenological data spanning a decade into elaborate monthly charts. These may represent the skeleton of a contemplated volume portraying a representative year in Concord.

As Thoreau's botanical acumen rapidly developed, he accepted the role of town botanist. It was important to him to know the location of plants rare in Concord. He made one of his most noteworthy finds while surveying in November 1851 -- the Climbing Fern (*Lygodium palmatum*), a peculiarly attractive fern that is regionally scarce. In May 1853 he discovered the showy Painted Cup (*Castilleja coccinea*) and marveled "how long some very conspicuous ones [flowers] may escape the most diligent walker, if you do not chance to visit their localities the right week or fortnight." In the same month he related in the *Journal* an amusing account of extracting the locality of the fragrant Roseshell Azalea (modern name *Rhododendron prinophyllum*) or Pinxter-flower from a local hunter. He saw allegorical significance in the fact "that, when I thought I knew the flowers so well, the beautiful purple azalea or pinxter-flower should be shown me by the hunter who found it" (May 31, 1853, *Journal*). Part of his argument used to persuade the hunter, Melvin, was that "I was a botanist and ought to know."

Thoreau's botanical interest in Concord naturally overflowed into his travels away from his native township. The accounts of his earliest significant trips -- *Ktaadn and the Maine Woods* (1848), *A Week* (1849), and *An Excursion to Canada* (1853) -- contain for the most part references only to common plants with relatively little use of Latin names. The same is essentially true for *Walden* (1854). A trip to Mt. Wachusett, Massachusetts in October 1854 is represented in his *Journal* primarily by a list of common names of trees and shrubs seen there. This is a forerunner of more extensive lists, primarily in Latin, prepared for later excursions. For example, plants collected on a journey to Vermont and

New Hampshire in September 1856 were carefully listed in the *Journal*. Similarly, notes in the *Journal* on his July 1855 trip to Cape Cod are littered with the Latin names for those flowers peculiar to the coast. By contrast, his articles on Cape Cod that appeared in *Putnam's Magazine* that year contain only two scientific plant names.

By 1857 Thoreau had clearly progressed beyond the fledgling stage and was perhaps one of the more competent amateur botanists in Massachusetts. In this year he made one of the most detailed lists of plants recorded for one of his journeys -- the Allegash trip to Maine. This occurs in the *Journal* (not published in the 1906 edition) and as an appendix to *Maine Woods* (1864). This list also notes species seen on his Chesuncook trip to Maine in September 1853.

In July 1858 Thoreau made possibly his most significant contribution to New England botany. That month he ascended Mt. Washington, New Hampshire -- the highest peak in New England -- and prepared the most detailed list of plants by zones that had ever been made for this site, one not to be surpassed until the twentieth century. The month before he had similarly listed plants found on Mt. Monadnock, New Hampshire; he supplemented this list with more botanical notes after a return visit in August 1860. The listing of plants by zones was probably inspired by Alexander von Humboldt's famous correlation of altitudinal plant zones with those of latitude.

Thoreau's journey to Minnesota in 1861 was made at a time when his botanical prowess was considerable but when his health was failing. His enthusiastic companion, Horace Mann, Jr., was a young naturalist whose promising career in botany at Harvard was cut short by tuberculosis within the decade. Thoreau's notebooks for the journey are liberally sprinkled with scientific plant names -- old friends and new. Included also were the customary lists of plants seen. This was to be essentially Thoreau's last botanical foray.

Although Thoreau demonstrated much botanical curiosity on his excursions, it was always Concord's flora that was dearest to him: "Many a weed here stands for more of life to me than the big trees of California would if I should go there" (Nov. 20, 1857, *Journal*). On February 4, 1858, Thoreau was astonished to find Labrador Tea (modern name *Rhododendron groenlandicum*) in Concord. He had, however, anticipated the discovery a year and a half earlier: "But why should not as wild plants grow here as in Berkshire, as in Labrador? ... I shall never find in the wilds of Labrador any greater wildness than in some recess in Concord" (Aug. 30, 1856, *Journal*).

In the same swamp that harbored the Labrador Tea, Thoreau noticed some curious growth on the Black Spruce there. Here he missed the opportunity to describe a plant at that time unknown to science: the locally rare parasite, Dwarf Mistletoe (*Arceuthobium pusillum*).

Starting about 1858 Thoreau undertook the study of grasses, sedges and rushes in earnest. These groups are relatively unfamiliar even to most modern botanists. Within two or three years he attained a substantial knowledge of those species that occur in Concord. His collections include 216 specimens that include about 108 species from the township (out of 255 species recorded in Concord to date). Other difficult plant groups such as lichens, mosses, and fungi resisted study owing to the absence of good regional manuals. Consequently, excepting lichens, his scientific references to these plant groups are minimal. Even with lichens he never came close to acquiring expertise comparable to what he achieved with vascular plants. In a short article entitled "Thoreau, the Lichenist" lichenologist Reginald Heber Howe, Jr., commented that Thoreau's observations of lichens showed "only a slight knowledge of species, and no technical grasp whatsoever." But Howe, who studied lichens in Concord about sixty years after Thoreau, noted that Thoreau knew the varied morphological types and appreciated their place in Nature. (See *The Guide to Nature*, vol. 5, pp. 17-20, 1912.) Any collections he might have made of lichens, mosses, and fungi are not known to have survived.

In his day there were relatively few regional botanists for Thoreau to share his observations with. The most notable New England botanist, Asa Gray (1810-88), at Harvard, was apparently not very accessible and was known to be primarily a herbarium botanist rather than a field botanist. A. Hunter Dupree, Gray's biographer, states that neither Ralph Waldo Emerson nor Thoreau crossed Asa Gray's path and attributes this to the empiricist Gray's hostility towards transcendentalism.

Aside from Asa Gray, virtually all other botanists in New England at this time were amateurs. The most knowledgeable of these that Thoreau met was Rev. John L. Russell (1808-73) of Salem, Massachusetts. Russell, a Unitarian minister, was for forty years professor of botany and vegetable physiology at the Massachusetts Horticultural Society and became a fellow of the American Academy of Arts and Sciences. He was well acquainted with men who described new plant species and for whom species were named. Russell was particularly interested in mosses, liverworts, and lichens. Since Russell was a classmate of Ralph Waldo Emerson's brother, Charles, at Harvard, it is likely that Thoreau first learned of Russell through Emerson. Russell visited Emerson in September 1838 at which time Emerson noted in his Journal that he was "A man in whose mind things stand in the order of cause & effect & not in the order of a shop or even of a cabinet."

What may have been Thoreau's first meeting with Russell occurred in Concord in August 1854. Thoreau's appetite for authoritative botanical identifications is evidenced by his notes for the three days he showed Russell around the township, which included a visit to the Climbing Fern. Russell made a second visit on July 23, 1856, to see a small yellow pond lily (*Nuphar* spp.). Russell must have noted Thoreau's increasing botanical proficiency and certainly was made aware of his new interest in grasses and sedges at the time of their last meeting on September 21, 1858. That day Thoreau visited Russell at Cape Ann and the Essex Institute in Salem, Massachusetts. The day was divided between

a morning with the Institute's collections and an afternoon in the field. Thoreau made the most of the opportunity to confirm identifications in difficult groups like willows (*Salix*) and lichens.

Other published botanists, such as Jacob Bigelow (1787-1879), professor of materia medica at Harvard, and George B. Emerson (1797-1881), both in the Boston area, apparently moved in social circles too rarefied ever to permit personal acquaintance with Thoreau. Schoolmaster and botanist Emerson was president of the Boston Society of Natural History of which Thoreau was elected a corresponding member in 1850 (for contributing an American Goshawk). According to A. Hunter Dupree, Emerson was dean of the scientific community in Boston and responsible for Asa Gray's appointment at Harvard in 1842. Though Thoreau made frequent visits to the collections and library of the Society, his interest there was primarily in fauna. Not being a regular member, he did not rub shoulders with members Gray, Bigelow, and Emerson. Consequently, Thoreau's meetings with Russell represent his closest contact with a botanist of professional caliber.

Although Benjamin Marston Watson (1820-96) was, strictly speaking, a horticulturist, his friendship with Thoreau provided an important opportunity to share botanical notes. Watson established his Old Colony Nurseries in Plymouth, Massachusetts in 1845. This estate became a favorite retreat for the Transcendentalists of Concord. Thoreau in the same year (and only one month after setting up at Walden Pond) forwarded to Watson some fruit and seeds from some of Concord's uncommon trees and shrubs. The evident purpose was to assist Watson in his horticultural enterprise. Watson in turn sent Thoreau unusual specimens from his nursery, hired him to survey his farm, and invited him to lecture in Plymouth. Thoreau's *Journal* records regular visits to Watson in Plymouth where he could see living examples of plants foreign to New England.

A mutual friend of Thoreau and Marston Watson was George P. Bradford (1807-90), a teacher, who for a time did some market gardening with Watson in Plymouth and had been part of the Brook Farm experiment. He had taught a class in botany at a school for girls in Plymouth in 1830. The references to Bradford in Thoreau's *Journal* are brief, touching primarily on unusual botanical finds. There is the suggestion that Bradford shared a Transcendentalist interest in botany when Thoreau notes Edward Hoar's proposal that a leaf of the Climbing Fern be sent to Bradford "to remind him that the sun still shone in America" (Aug. 14, 1854, *Journal*). Oddly, there is but one inconsequential reference to Bradford in Thoreau's published correspondence.

Bradford, Russell, and Austin Bacon of Natick are acknowledged in the preface to George B. Emerson's report on the trees and shrubs of Massachusetts. This preface approximates a directory of Massachusetts botanists in 1846. Austin Bacon (1813-88) was a surveyor-naturalist. Thoreau paid a visit to him on August 24, 1857, and was shown a number of Natick's botanical highlights. Thoreau's interest in Natick no doubt arose

from his reading of Oliver N. Bacon's *History of Natick* which included a list of unusual plants (Jan. 19, 1856, *Journal*).

Among Concordians there were only Edward S. Hoar, Minot Pratt, and sister Sophia with whom Thoreau spoke about botany in any depth. Edward S. Hoar (1823-93), a retired lawyer, accompanied Thoreau on his trips to the White Mountains of New Hampshire and Maine's Allegash and Penobscot Rivers. He was also Thoreau's accomplice in the accidental burning of the Fairhaven Woods in Concord in 1844. Like Thoreau, Hoar collected plant specimens and pressed them. Indeed, Hoar's collections are much superior in quality, particularly with respect to the legibility and detail of his collection data. The majority of his specimens were collected from 1857-60 and included many grasses and sedges. These were the years during which Thoreau undertook a study of the same difficult groups, but curiously the *Journal* offers no support for the idea that they studied together. The references to Hoar in the *Journal* do show that Hoar brought to Thoreau's attention various botanical curiosities that he found. It is evident that for Thoreau's northern journeys Hoar was the companion of choice because of his enthusiasm for natural history, particularly of the botanical variety.

Minot Pratt (1805-78), a farmer-horticulturist, moved to Concord after four years at the Brook Farm experiment. If there was anyone as intimately familiar with Concord's wild flowers as Thoreau, it was Minot Pratt. Apparently he was just as independent since Thoreau's references to him in the *Journal* suggest only limited communication between the two about the location of Concord's rarities. On three occasions Pratt gave Thoreau a botanical tour of his neck of the woods -- Punkatasset Hill and Estabrook Woods, some of the richest areas in the town botanically (Aug. 17, 1856; May 18, 1857; and June 7, 1857, *Journal*). Pratt later engaged in a practice that has earned him a degree of notoriety among latter-day botanists, namely the establishment of alien plants in Concord. Thoreau rarely did the same, but his introduction of *Nasturtium officinale* is an example (April 26, 1859, *Journal*).

Judging from her herbarium now at the Thoreau Institute in Lincoln, Massachusetts, Sophia Thoreau (1819-76) had an interest in botany that was considerably less scientific than her brother's and more in the aesthetic vein. Many of her pressed plants consist of several species to a sheet with an eye to attractive arrangement. There is rarely any information recorded as to their identity or location. Thoreau mentions three flowers in his sister's herbarium that he had not seen in Concord -- Whorled Pogonia (*Isotria verticillata*), Painted Trillium (*Trillium undulatum*), and Perfoliate Bellwort (*Uvularia perfoliata*) (Sept. 22, 1852, *Journal*). All are locally rare. Strangely, there is no evidence that Thoreau ever saw any of these within the bounds of Concord (where Sophia found them). This suggests a bit of sibling rivalry.

The general scarcity of botanists in New England in Thoreau's time undoubtedly arose from a virtual absence of illustrated manuals and popular field guides treating the flora

of the region. These were to appear only later in the nineteenth century. Thoreau complained of this lack (compared to what the British had) indirectly: "A few pages of cuts representing the different parts of plants, with the botanical names attached, is worth volumes of explanation" (Feb. 17, 1852, *Journal*). He found the plant descriptions available unsatisfactory, and they were: "I quarrel with most botanists' description of different species, say of willows ... No stress is laid upon the peculiarity of the species in question, and it requires a very careful examination and comparison to detect any difference in the description" (May 25, 1853, *Journal*); "You cannot surely identify a plant from a scientific description until after long practice" (April 26, 1857, Letter to B. B. Wiley).

Thoreau's library (as listed by Walter Harding in 1983) reflects the relative dearth of botanical references of the time. He owned almost all the volumes that would pertain to Concord's vascular flora and a number that were only marginally relevant. Walter Harding's catalog includes the following botanical works:

The Vegetable Kingdom: or, Handbook of Plants & Fruits (Loring Dudley Chapin, 1842)

Report on Herbaceous Plants & Quadrupeds of Massachusetts (Chester Dewey & Ebenezer Emmons, 1840)

A Report on the Trees and Shrubs Growing Naturally in the Forests of Massachusetts (George B. Emerson, 1846)

Culture of the Grasses (Charles L. Flint, 1860)

The Botanical Text-book (Asa Gray, 1853)

A Manual of the Botany of the Northern United States, 1st (1848) and 2nd (1856) eds. (Asa Gray)

Report on the Geology, Mineralogy, Botany and Zoology of Massachusetts (Edward Hitchcock, 1833)

Popular History of British Lichens (William L. Lindsay, 1856)

Arboretum et Fruticum Britannicum (John Claudius Loudon, 1838)

Encyclopedia of Plants (John Claudius Loudon, 1855)

Sive Enchiridion Botanicum, or a Complete Herbal (Robert Lovell, 1659)

Wild Flowers (Adriene-Emmanuel Rouquette, 1848)

The Ferns of Great Britain (John E. Sowerby, 1855)

A Popular History of British Mosses (Robert Mackenzie Stark, 1854)

To this list should be added Jacob Bigelow's *Florula Bostoniensis* (various editions), which Thoreau must have owned judging from multiple Journal references to it. Three well-known manuals that Thoreau consulted from time to time were Amos Eaton's *A Manual of Botany for the Northern and Middle States* (various editions), John Torrey's *Flora of the Northern and Middle Sections of the United States* (1826), and Torrey and Gray's *Flora of North America* (1838-43). None of these offered much more than could be found in the manuals of Bigelow and Gray. Torrey and Gray's work was the most thorough of the three but was unfinished and covered too much geographical territory to be convenient. If modern field guides and botanical manuals had been available to Thoreau, his expertise would have developed much earlier and much more rapidly. It is surprising that he managed as well as he did.

A well-identified herbarium is the ultimate all-season botanical reference work. Unfortunately, regional herbaria were also in their infancy in Thoreau's time. It is understandable that Thoreau did not miss the opportunity to examine the meager plant collections at the Boston Society of Natural History rooms (June 19, 1856, *Journal*) and the Essex Institute (Sept. 21, 1858, *Journal*). The best collections, however, were in the custody of individuals and were private.

Thoreau's own herbarium (numbering in the end 1,504 specimens) was no doubt one of the larger collections in eastern Massachusetts at the time. Thoreau himself realized this, commenting in a letter to Mary Brown (April 23, 1858): "I should be glad to show you my Herbarium, which is very large." From a modern viewpoint the data he recorded for his collections are, on the whole, poor. Approximately one-half of the specimens note only the identity of the plant, omitting the most important bit of information -- the locality. This detracts significantly from the scientific value of the collection. In the difficult groups like grasses, sedges, and willows his data are generally much better than the remainder of the collection, but frequently difficult to decipher (written small, in pencil, and hurriedly or carelessly). His habit of using his straw hat as a botany box to bring home plants collected in the field tended to encourage the gathering of small, inadequate, or incomplete samples.

Thoreau evidently started his organized herbarium (as opposed to casual collections placed in commonplace books or manuals) about 1850, judging from the earliest dated specimens. This was the same period when he began to study botany with more method. Clearly Thoreau created his herbarium as an aid in sorting out the identities of plants he found in Concord and on his travels and not as a vehicle for preserving his memory among future botanists (a common purpose of private herbaria).

The disposition of his herbarium following his death was that, at his request, about 100 grasses, sedges, and rushes were given to his botanical companion, Edward Hoar, and the remainder (some 1,400 specimens) were given to the Boston Society of Natural History. Thoreau's grasses and sedges in the possession of Hoar, along with most of Hoar's own collection, were eventually given to the New England Botanical Club by Hoar's daughter, Mrs. M. L. B. Bradford, in 1912. The Club's herbarium is presently housed at Harvard University. The Club's Thoreau specimens have been carefully mounted on standard-sized herbarium sheets together with Thoreau's pencil-scribbled scraps of data and Hoar's transcription of them. These specimens have been cataloged and imaged. This is the most scientifically useful part of Thoreau's herbarium owing to the presence of collection data, the difficulty of the plant families involved, and the addition of annotations by later botanical experts such as Merritt L. Fernald.

The bulk of Thoreau's herbarium stayed with the Boston Society of Natural History until 1880 when it was given to the Concord Free Public Library. In 1959 the Library turned the collection over to Harvard University's Gray Herbarium where it resides presently separate from their main collection. Unlike Thoreau's grasses, sedges, and rushes, this part of the collection appears for the most part to be in the condition in which he left it at his death. Because of its relative inaccessibility and lesser scientific value, it has received relatively little critical attention by later botanists. The specimens are somewhat insecurely attached with pieces of tape to elephant folio-sized sheets of flimsy paper. Occasionally smaller sheets of paper are used. There is usually more than one specimen to a sheet, sometimes six or more, and frequently more than one species to a page. Typically, only the Latin name for the species is written in pencil near the specimen. Locality data such as "Truro '55," "Brattleboro," or "Maine '57," are sometimes noted in pencil beside particular specimens or scribbled on small scraps of paper slipped under the specimens. The sheets are numbered in pencil and arranged in systematic order according to Gray's *Manual of Botany* 2nd ed. The collection is divided into six parts, each kept in a large, worn cardboard portfolio. A listing of species was made by the Boston Society of Natural History in a separate notebook. The Harvard University Herbaria has imaged almost all of the sheets in this collection and posted them online.

In contrast to his sister's herbarium, Thoreau's collection is well organized and the placement of specimens on the sheets is determined by practicality rather than aesthetics. In spite of some careless handling and neglect, the specimens at present are generally in good condition. There is surprisingly little evidence of insect damage. A few specimens retain enough of their original bright tints that they appear to have been pressed within the past year. The fragility of the collection will continue to leave it vulnerable to inadvertent mistreatment by those unfamiliar with the proper manner of handling pressed specimens.

Within his lifetime Thoreau published but one work concerned with the world of plants. This is his essay "The Succession of Forest Trees," delivered as an address before the

Middlesex Agricultural Society in Concord in September 1860 and published the following month in the *New York Tribune* and in regional agricultural reports. It is properly regarded as a contribution to ecology rather than to botany, but is, perhaps, his most important scientific work (representing not so much original ideas as an original development and formulation of ideas).

Thoreau's essays "Autumnal Tints" and "Wild Apples," derived from his Journal and presented as lectures, were revised during the last months of his life and published posthumously in the *Atlantic Monthly* in 1862. These essays are part of Thoreau's attempt to fill a void that he felt existed in the literature of botany. When he first began his study of plants in earnest he had sought out "those works which contained the more particular popular account, or biography, of particular flowers, ... for I trusted that each flower had had many lovers and faithful describers in past times" (Feb. 6, 1852, *Journal*). "Autumnal Tints" and "Wild Apples" present an aesthetic appreciation of plants. While grounded in science, the essays are in fact examples of literature.

Among the fragmentary manuscripts left by Thoreau are what appear to be a series of essays he was working on with titles "Wild Fruit," "The Dispersion of Seeds," "The Fall of the Leaf," and "New England Native Fruits." From these manuscripts Leo Stoller has pieced together an essay entitled "Huckleberries," the style and content of which very much parallels "Autumnal Tints" and "Wild Apples." A key phrase in the essay is "The berries which I celebrate" (*italics Thoreau's*), indicating the spirit intended in these pieces. In 1993 Bradley P. Dean edited a book entitled *Faith in a Seed* which presented the previously unpublished "The Dispersion of Seeds" and other late natural history writing of Thoreau.

Thoreau's studies in botany did not result in significant contributions to the science of botany. Most New England botanists would be hard pressed to identify his most important botanical achievement --- the first detailed description of the vegetation zones on New England's highest peak, Mt. Washington. Although the description was not published until well after his death, his observations provide a point of comparison that reveals changes in alpine vegetation at New England's most interesting botanical site.

Thoreau's extensive study of the plants of Concord also serves as a point of comparison for noting changes in the flora. It is important for this reason, rather than for resulting in particular botanical finds in Concord. His observations and collections in Concord represent, perhaps, the most complete survey of a New England township's flora up to that time. Thoreau in essence has provided later botanists with a "photograph" of Concord's flora in the 1850s. None of Concord's other botanists have matched the intensity of activity that engaged him during that decade. His plant identifications (once he passed beyond the novice stage) were very competent, with doubts or errors occurring only at those points where the professional botanists themselves (and their manuals) were confused. Thoreau's intimate familiarity with the location of unusual plants in Concord was equaled only by Minot Pratt. The breadth of Thoreau's botanical knowledge

(which included grasses, sedges, and lichens) has been approached only by his Concord friend Edward Hoar and the late Richard J. Eaton of the twentieth century.

It was not Thoreau's aim to add to the body of botanical knowledge of his time. Rather, his efforts arose from a desire to distinguish more clearly the textures with which Nature clothed his native town, and his New England, since he felt himself to be part of the same fabric: "I am interested in each contemporary plant in my vicinity, and have attained to a certain acquaintance with the larger ones. They are cohabitants with me of this part of the planet, and they bear familiar names" (June 5, 1857, *Journal*). Domesticated plants were of little or no interest to him: "I was never in the least interested in plants in the house" (Dec. 4, 1856, *Journal*). His early attention to flowers was coincident with the general Transcendentalist view of Nature -- as a source of inspiration, a living lesson from which to extract a moral, an invitation to experience rather than an opportunity to analyze. Later, his systematic approach to plants was undertaken with philosophical discomfort and ensuing rationalization: "Once I was part and parcel of Nature; now I am observant of her" (April 2, 1852, *Journal*); "One studies the books of science merely to learn the language of naturalists, -- to be able to communicate with them" (March 23, 1853, *Journal*). To the end he considered himself not a naturalist or botanist but a writer, first and foremost: "Here I have been these forty years learning the language of these fields that I may the better express myself" (Nov. 20, 1857, *Journal*). Yet, for a writer to acquaint himself so completely and consciously with the flora of his native region was unprecedented, and inspires wonder as to what grand work of prose this insistent pursuit of botany was meant to nurture.

Use and Construction of the Index (revised)

This index to the *Journal* includes all page citations [The word "citation" is used in a non-standard, technical sense which is explained at point 11. below.] for scientific and common names used by Thoreau for vascular plants growing wild or as ornamentals. References to mosses, lichens, liverworts, mushrooms, and fungi have been excluded. Thoreau's study of these groups (except for lichens) was minimal. More importantly, the absence of collections by him in these groups prevents confirmation that he applied the names competently. Plants used for food, clothing, or medicinal purposes are generally included in the Index only if the context of the citation indicates occurrence of the plant in the wild. References to "corn," for example, are excluded. All references to wild fruits are included. Due to Thoreau's special interest in apples, all references to this fruit are also included.

The primary consideration in assigning a modern scientific name in this *Index* to any of the plant names used by Thoreau is to provide an accurate translation of Thoreau's use of the name considering the context of his use. Consequently, the translations of names in this *Index* are not necessarily valid for sites in New England other than the sites where

he used a given name. For example, *Polygonatum biflorum* in Thoreau's time included *Polygonatum biflorum* (Gray's Manual 8th ed.) and *Polygonatum pubescens*. Since *Polygonatum biflorum* (Gray's Manual 8th ed.) is known in New England only in Connecticut, Thoreau's name "*Polygonatum biflorum*" can be translated as "*Polygonatum pubescens*" in Concord (or in any other New England state except Connecticut, where it would be translated as "*Polygonatum biflorum* (Gray's Manual 8th ed.) / *Polygonatum pubescens*"). Translation of a name Thoreau used does not always mean that he used that name correctly. However, reference to his herbarium indicates that, considering the state of New England botany at the time, his identifications are relatively accurate, particularly in the latter 1850s. To attempt to confirm the accuracy of every citation would be unduly speculative and time-consuming, and so this has not been attempted. However, in many instances when the herbarium or contextual evidence is clear, clarification or correction of Thoreau's identifications has been provided via notes. Much more detailed information on Thoreau's identifications species by species can be found in this author's *Vascular Flora of Concord, Massachusetts* on the Internet Archive.

Users of this index will, of course, approach it with varying interests. Most interests will be best served by understanding the clarity and efficiency of scientific names. For convenience, the scientific names in *Gray's Manual of Botany* 8th ed. by Merritt L. Fernald have been used throughout when assigning a modern equivalent to one of the names used by Thoreau. This edition is no longer considered up-to-date, having been published over 70 years ago. However, its names when different from the currently accepted names are usually given as synonyms in modern floras. As noted in the Introduction there are three references included in the Botanical Bibliography that can link the names of *Gray's Manual* 8th ed. to modern nomenclature. In addition, listed in the Bibliography is a spreadsheet created by this author that catalogs all of Thoreau's herbarium specimens and linking their modern scientific names to those of *Gray's Manual* 8th ed.

Scientific plant names, which are customarily italicized, consist of two parts. The first is the genus name identifying a group of closely related species; for example, *Quercus* (OAKS) or *Solidago* (GOLDENRODS). A number of Thoreau's names designate nothing more specific than genus. To indicate this it is customary to add the abbreviation for "species" ("spp.") to the genus name; for example, Oak = *Quercus* spp. The second part of the scientific name identifies the particular species within the genus, as in *Quercus rubra* (RED OAK) or *Quercus velutina* (BLACK OAK). Within some species varieties are distinguished. In general this index does not identify varieties; however, many varieties of Thoreau's time are now considered full-fledged species, and in these instances the varietal name is provided to clarify the association with modern species names. For example,

Amelanchier canadensis var. *oligocarpa* = *Amelanchier bartramiana* (BARTRAM SHADBUSH)

Amelanchier canadensis var. *botryapium* = *Amelanchier laevis* (SMOOTH SHADBUSH)

The virtue of the scientific name is that, in principle, there is only one correct name for each species and only one species associated with a given scientific name. Common names, on the other hand, are often ambiguous, since a given species may have a multitude of common names, and a given common name may be associated with more than one species. In practice, because of changing opinions among botanists and discovery of old names that sometimes must take priority over more established names, most species have had more than one scientific name associated with them over a period of time. A list of such names for a given species is called the "synonymy" for the species. In spite of this variability, scientific names retain a precision lacking in common names since there is an "official" description and usually an "official" dried plant specimen ("type specimen") located in some herbarium associated with every scientific name.

Many of the scientific names used by Thoreau are still in use, others have been discarded, and still others are used in a more limited or, occasionally, entirely different sense than Thoreau's. Those names that are unchanged require no translation and in this index are simply supplemented with a modern common name, always indicated by capital letters, as in *Cornus stolonifera* (RED-OSIER DOGWOOD). Those scientific names that are used now in a more limited sense are usually supplemented with an explanatory note at the end of the *Index* which lists other species later recognized that might be included within Thoreau's use of the name, as in *Bidens frondosa* (STICK-TIGHT)⁴². Those scientific names that have a different sense now than in Thoreau's time or differ with Thoreau's use must be translated, as in *Acer saccharinum* (old usage) = *Acer saccharum* (SUGAR MAPLE) and *Nuphar advena*²⁰⁸ = *Nuphar variegatum* (BULLHEAD LILY), respectively. Notes are indicated by small, bold superscript numbers. Spelling of scientific names used by Thoreau that differs slightly from the *Gray's Manual* 8th ed. spelling has been regularized to the later spelling. The most frequent example is the botanically correct "*pensylvanicum*" for Thoreau's "*pennsylvanicum*." Note that the correct botanical spelling of this name varies from and depends solely (as with all scientific names) on how it was given in the original publication of the scientific name, regardless of how it is spelled outside of science.

Common names used by Thoreau have been translated into the *Gray's Manual* 8th ed. scientific names on the basis of the context of his use (indicated by geographical locale, habitat, time of year, and other clues at citations). Common names associated with *Gray's Manual* 8th ed. are indicated in capital letters and have been selected from the most popular field guides and botanical manuals used in New England. An attempt has been made to select the most frequently used and appropriate common name for each species. Occasionally, two modern common names are provided with the *Gray's Manual*

8th ed. name when both names appear to be equally popular. Common names accompany every *Gray's Manual* 8th ed. scientific name in the body of the *Index* for the benefit of laypersons except where no common name exists. This practice occurs even when the common name is the same as that used by Thoreau, as in *Sassafras* = *Sassafras albidum* (SASSAFRAS). To aid laypersons in finding the *Gray's Manual* 8th ed. scientific name for a common name, most common names not used by Thoreau have been indexed and translated, as in NANNYBERRY = *Viburnum lentago*.

This index makes a distinction between use of a plant name as a noun, as an adjective, and as a present participle. References to the plant name used as a noun are given first. The plural use of a name is treated as equivalent to the singular and is not indexed separately. Use of the plant name as an adjective is indicated by a blank space (where the plant name would occur) preceding the object, enclosed in parentheses, that the name modifies. These citations are provided following those for use of the plant name as a noun and are in alphabetical order of the noun being modified; for example, "___ (bough) -- X 65; ___ (bud) -- XIII 38; ___ (bur) -- IX 107," all citations under "Chestnut." Lastly, citations for use of the plant name as a present participle are given and are indicated as shown for "Chestnut": "___ (-ing) -- IX 130; ___(a-) ___ (-ing) -- IV 462, VII 520."

Cross-indexing is provided to permit systematic location of all citations for a given species, though to take advantage of it the user must first determine the *Gray's Manual* 8th ed. scientific name of the species in question. Many popular field guides for the northeastern United States give this scientific name for their entries. This index can in most instances also be used to find the *Gray's Manual* 8th ed. scientific name, whether the user starts with one of Thoreau's names (common or scientific) or with a common name not used by Thoreau. Once the *Gray's Manual* 8th ed. scientific name has been determined, the user can locate all citations to the species in question by referring to the entry for this name in the *Index*. Here, citations for Thoreau's use of this *Gray's Manual* 8th ed. scientific name, if any, are provided, as well as all other names used by Thoreau that yield all additional citations in the *Journal* for the species in question. For example,

Castilleja coccinea (PAINTED CUP) -- V 127

see also *Castilleja*, Painted Cup

indicates that all citations for this species using the name "*Castilleja coccinea*" occur on V 127 and that all additional citations to the species are listed under the names "*Castilleja*" and "Painted Cup." In this example Thoreau's use of the generic name "*castilleja*" always refers to *Castilleja coccinea* (PAINTED CUP). In other instances Thoreau's use of a generic name does not refer consistently to one species but might on occasion implicitly apply to a particular species. These citations are usually not cross-indexed at the particular species. The user, therefore, should check citations at the genus

name as well as at the *Gray's Manual* 8th ed. species name when searching for all citations for a species.

Alternate names Thoreau used for a species will be listed only at the *Gray's Manual* 8th ed. scientific name, which is in effect the rallying point for the species. Not all alternate names are listed at the *Gray's Manual* 8th ed. scientific name, but only those sufficient to yield all additional citations to the species. However, by checking all citations, any additional alternate names will be found. For example, at "*Lycopodium obscurum* (TREE CLUBMOSS)" one finds listed the alternate names "Evergreen" and "*Lycopodium dendroideum*." One does not find listed the alternate name "ground-pine" that Thoreau uses only on IV 195 since this page citation is already included among those for "*Lycopodium dendroideum*."

This *Index* was compiled by reading the 1906 edition of Thoreau's *Journal* and recording each plant reference sequentially on sheets of paper. At the conclusion of this stage the citations were entered onto index cards kept in alphabetical order. Once all references had been transferred to the cards, translation of the citations and insertion of cross-references was undertaken in alphabetical order. Finally, the data from Thoreau's herbarium were transcribed and used to provide clarifications and corrections to Thoreau's *Journal* identifications before the manuscript was typed from the cards. The plant references in the so-called "Lost Journal" have been incorporated by indexing the first volume of the Princeton Edition of the *Journal*. Citations to the Princeton Edition in this index are indicated by the use of the lower case Roman numeral "i."

Finally, the following conventions and policies have been adopted in this index:

1. Material of others quoted by Thoreau in his *Journal* is not indexed.
2. Non-English common names generally are not indexed except when the English or scientific equivalent is not provided by Thoreau.
3. Only citations to plants identifiable to genus or species level are indexed (e.g., "grass," "tree," and "flower" are not indexed).
4. Names of plant families whether common or scientific (e.g., "Ericaceae" and "Heath Family") are indexed.
5. Plant names that are part of proper names (e.g., "Poplar Hill" and "Rose Smith") are not indexed.
6. An adjective that modifies a plant name is not included with the name unless it is necessary to denote the particular species or genus. For example, "pink rose" would be indexed under "Rose" since the modifier "pink" does not indicate a particular species of

rose. On the other hand, "late rose" would be indexed under "Rose (Late)" since "late" indicates the species *Rosa palustris* (SWAMP ROSE).

7. No notation is made of multiple occurrences of the same name on the same page.

8. A name that straddles two pages of the *Journal* is assigned to the earlier page.

9. Parentheses around a page citation indicate that part of the plant name in the *Journal* is implicit. For example, the citation "XIV (112)" under "Scarlet Oak" corresponds in the *Journal* to the passage: "also a fair crop of red oak acorns; but not of scarlet or black." Here the combination "scarlet oak" does not occur explicitly but is implied.

10. Cross-references to another entry for a given name sometimes are found only in the note associated with the superscripted number associated with that entry. Therefore, it is important when using an entry to consult any note provided: not only are additional species mentioned as possibilities, but misidentifications by Thoreau are usually explained.

11. The word "citation" in this *Index* is used in a non-standard, technical sense. When mention is made of a "citation" in Thoreau's *Journal* what is referred to is use of a name of a plant. Most often the reference is indirect: it uses a volume and a page number (e.g., IV 163), and the plant name involved must be clear from the context, since a given page in the *Journal* often contains a number of different names.

Botanical Bibliography (revised)

The following works are comparatively non-technical and should prove to be the ones most useful for the lay person interested in becoming acquainted with the plants of New England to which Thoreau refers:

Angelo, Ray. 1990. *Concord Area Trees and Shrubs*. Museum of Comparative Zoology, Harvard University, Cambridge, MA. (free at <https://archive.org/details/concordareatrees00ange>)

Cobb, Boughton, Cheryl Lowe, and Elizabeth Farnsworth. 2005. *Peterson Guide to Ferns, Northeastern and Central North America*, 2nd ed. Houghton Mifflin Harcourt, Boston.

Dame, Lorin L., and Henry Brooks. 1972. *Handbook of the Trees of New England*. Dover Publications, Ind. (reprint of 1904 publication), New York. (free at: <https://archive.org/details/handbookoftrees00dame>)

Go Botany (<https://gobotany.nativeplanttrust.org/>). This free web site includes only plants occurring in New England. A search can be done on the scientific name of the plant or an illustrated nontechnical simple key can be used to determine an unknown plant. Results for each plant give several images of it, its distribution in New England and North America, facts about the plant, scientific synonyms, and closely related species.

Google (google.com). Searching on the scientific name enclosed in quotes without any varietal name will often bring up a Wikipedia article on the plant. Selecting the images option of the Google result will bring up available photos and line drawings of the plant.

Newcomb, Lawrence. 1977. *Newcomb's Wildflower Guide*. Little, Brown, and Co., Boston.

Peterson, Roger Tory, and Margaret McKenny. 1968. *A Field Guide to Wildflowers of Northeastern and North-Central North America*. Houghton Mifflin Co., Boston.

Petrides, George A. 1972. *A Field Guide to Trees and Shrubs*. 2nd ed. Houghton Mifflin Co., Boston.

Symonds, George W. D. 1958. *The Tree Identification Book*. William Morrow & Co., New York.

Symonds, George W. D. 1963. *The Shrub Identification Book*. William Morrow & Co., New York.

For those who wish to consult more complete and technical references, the standard manuals are:

Eaton, Richard Jefferson. 1974. *A Flora of Concord*. Museum of Comparative Zoology, Harvard University, Cambridge, MA. (free online at: <http://archive.org/details/floraofconcordac00eato>)

Fernald, Merritt Lyndon. 1950. *Gray's Manual of Botany* 8th ed. Van Nostrand Reinhold Co., New York.

Flora of North America Editorial Committee, eds. 1993 - . *Flora of North America*. Volumes 1- . Oxford University Press, New York. (contents of published volumes arranged by families or genera free online at: http://floranorthamerica.org/Main_Page)

Gleason, Henry A. 1952. *The New Britton and Brown Illustrated Flora of the Northeastern United States and Adjacent Canada*. 3 vols. Hafner Publishing Co., New York.

Gleason, Henry A., and Arthur Cronquist. 1991. *Manual of Vascular Plants of Northeastern United States and Adjacent Canada*. 2nd ed. D. Van Nostrand Co., Princeton, NJ.

Seymour, Frank Conkling. 1982. *The Flora of New England* 2nd ed. as *Phytologia Memoirs* V. Harold N. Moldenke & Alma L. Moldenke, Plainfield, NJ. (free at: <http://archive.org/details/floraofnewenglan00seym>)

Current technical references for the flora of Concord and New England with modern nomenclature are:

Angelo, Ray. 2021. *Vascular Flora of Concord, Massachusetts*. This work includes species-by-species account of whether there is a specimen in Thoreau's herbarium, where in Concord he found the species if known, the scientific names Thoreau applied to the species, the *Gray's Manual* 8th ed. equivalent of the species name, the scientific name as of 2021, and more. (free at: <https://archive.org/details/vascular-flora-of-concord-massachusetts>)

Angelo, Ray and David E. Boufford. 2023. *Atlas of the Flora of New England*. Published in installments in the journals *Rhodora* and *Phytoneuron* and subsequently updated online, it provides county distribution maps of New England vascular flora, scientific name synonyms including all New England *Gray's Manual* 8th ed. names, habitat information and region of origin if introduced to New England. Free at: <http://neatlas.org/> A static pdf version is planned for the Internet Archive.

Haines, Arthur. 2011. *Flora Novae Angliae*. Yale University Press, New Haven, CT.

Historical manuals used by Thoreau are:

Bigelow, Jacob. 1840. *Florula Bostoniensis* 3rd ed. Charles C. Little and James Brown, Boston. (free at: <http://archive.org/details/florulabostonienbige>)

Dewey, Chester. 1840. *Report on the Herbaceous Flowering Plants of Massachusetts*. Folsom, Wells and Thurston, Cambridge, MA. (free at: <http://archive.org/details/reportsma00mass>)

Eaton, Amos. 1824. *Manual of Botany for Northern and Middle States of America* 4th ed. Websters and Skinners, Albany, New York. (free at: <https://archive.org/details/manualofbotanyfo00eato>)

Emerson, George B. 1846. *A Report on the Trees and Shrubs Growing Naturally in the Forests of Massachusetts*. Dutton and Wentworth, State Printers, Boston. (free at: <https://archive.org/details/reportontreesshr00emer>)

Gray, Asa. 1848. *A Manual of the Botany of the Northern United States* (1st ed.) James Munroe and Company, Boston & Cambridge, MA. (free at: https://archive.org/details/manualofbotanyof00gray_1)

Gray, A. 1856. *Manual of the Botany of the Northern United States* 2nd ed. George P. Putnam & Company, New York. (free at: <https://archive.org/details/Gray1856zd45X>)

Michaux, François. A. 1819. *The North American Sylva*, vols. I, II, III. C. D'Hautel, Paris. (free at: <https://archive.org/details/northamericansyl01michin>, <https://archive.org/details/northamericansyl02inmich> and <https://archive.org/details/northamericansyl03mich>)

Torrey, John. 1826. *Compendium of the Flora of the Northern and Middle States*. Stacy B. Collins, New York. (free at: <https://archive.org/details/compendiumofflor00torr>)

Torrey, John and Asa Gray. 1838-1840. *A Flora of North America*, volume I. Wiley & Putnam, New York. (free at: <https://archive.org/details/floraofnorthamer01torr>)

Torrey, John and Asa Gray. 1841-1843. *A Flora of North America*, volume II. Wiley & Putnam, New York. (free at: <https://archive.org/details/floraofnorthamer02torr>)

Other resources online:

A version of the 1906 edition of Thoreau's *Journal* in a single file is free at: <https://archive.org/details/thoreau-journal-1906lim-ed>

A spreadsheet of Thoreau's herbarium specimen records is free at: <https://archive.org/details/spreadsheet-of-henry-d-thoreau-herbarium-specimens>

Images of Thoreau's herbarium specimens in the Gray Herbarium at Harvard University are free at: <https://www.flickr.com/photos/huh/sets/72157680747810871>

Images of Thoreau's herbarium specimens in the New England Botanical Club herbarium at Harvard University are free by searching the Harvard University Herbaria database at: https://kiki.huh.harvard.edu/databases/specimen_index.html using "H. D. Thoreau" (without the quotations) in the Collector field and either Cyperaceae, Juncaceae or Poaceae in the Family/higher taxon field.

A calendar of flowering times for wildflowers and woody plants of Concord, Massachusetts is free at:
<https://archive.org/details/calendar-flowering-times-concord-massachusetts>

A reference for the names Thoreau used for places in Concord and Lincoln, Massachusetts, is free at:
<https://archive.org/details/thoreau-place-names>

A revised Gleason map of Thoreau's Concord and vicinity in high-resolution is free at:
<https://archive.org/details/herbert-gleason-thoreau-country-map-corrected>

Botanical Index (with some corrections)

*A. Ribes*¹ = *Ribes* spp. (GOOSEBERRY, CURRANT) -- IX 80

Aaron's-rod = *Sedum telephium* (LIVE-FOREVER)/*Sedum purpureum* (LIVE-FOREVER)²
-- V 342, 353, XIV 187

Abele = *Populus alba* (WHITE POPLAR)³ -- VI 221, XI 316, 443, XII 133

Abele (Silvery) = *Populus alba* (WHITE POPLAR)³ -- VII 334, XI 261, 262, 264, 276, 297, 301, 309

Abies alba (SILVER FIR) -- see *Picea pectinata*

Abies alba (old usage) = *Picea glauca* (WHITE SPRUCE) -- II 199

Abies balsamea (BALSAM FIR) -- see *Abies balsamifera*, Fir, Fir (Balsam)

Abies balsamifera = *Abies balsamea* (BALSAM FIR) -- II 279

Abies canadensis = *Tsuga canadensis* (EASTERN HEMLOCK) -- II 199

Abies douglasii = *Pseudotsuga menziesii* (DOUGLAS FIR) -- II 363, X 185

Abies excelsa = *Picea abies* (NORWAY SPRUCE) -- X 185

Abies fraseri (FRASER FIR) -- IX 365

Abies grandis (GRAND FIR) -- see *Picea grandis*

Abies nigra = *Picea mariana* (BLACK SPRUCE)/*Picea rubens* (RED SPRUCE)² -- X 464

Acacia (Three-thorned) = *Gleditsia triacanthos* (HONEY LOCUST) -- II 361, XI 199

Acalypha = *Acalypha* spp. (THREE-SEEDED MERCURY) -- VIII 441, XI 184

Acalypha (Dwarf) = *Acalypha gracilens* (SLENDER THREE-SEEDED MERCURY) -- VI 437

Acalypha gracilens (SLENDER THREE-SEEDED MERCURY) -- see *Acalypha* (Dwarf)

Acalypha rhomboidea (THREE-SEEDED MERCURY) -- see *Acalypha virginica*

Acalypha virginica (THREE-SEEDED MERCURY)⁷ -- IV 279, V 343

Acanthus (flower) = ³³⁸ -- V 231

Acanthus = *Acanthus spinosus* (SPINY BEAR'S BREECH)⁴

___ (leaf) -- IX 146, X 154

Acer spp. (MAPLE) -- see Key, Maple

Acer dasycarpum = *Acer saccharinum* (SILVER MAPLE) -- III 475

Acer pensylvanicum (STRIPED MAPLE) -- IV 346

see also Maple (Striped), Moosewood

Acer rubrum (RED MAPLE) -- III 475, IV 49, IX 414, X 47, XIII 244

see also Maple (Red), Maple (Scarlet)

Acer saccharinum (SILVER MAPLE) -- see *Acer dasycarpum*, Maple (White)

Acer saccharinum (old usage) = *Acer saccharum* (SUGAR MAPLE) -- III 17, IV 50

Acer saccharum (SUGAR MAPLE) -- see *Acer saccharinum* (old usage), Maple (Bird's-eye), Maple (Rock), Maple (Sugar)

Acer spicatum (MOUNTAIN MAPLE) -- IV 346, IX 79

see also Maple (Mountain)

Achillea millefolium (YARROW) -- VIII 365

see also Milfoil, Yarrow

Acorn = *Quercus* spp. (OAK) -- i 119, 208, 381, I 131, 338, 380, II 90, 431, 457, 499, III 56, 57, 58, 59, 97, 481, IV 84, 361, 377, 378, 417, V 185, 398, 400, 456, VI 41, 93, 477, 482, 483, VII 35, 36, 45, 47, 51, 61, 62, 63, 126, 270, 460, 472, 507, 521, VIII 81, 82, 154, 294, 363, IX 60, 137, 138, 147, 194, X 40, 81, 100, 178, 189, 193, XI 184, 208, 257, 275, 308, 394, 431, XII 150, 157, 194, 304, 309, 320, 322, 324, 338, 351, 361, 362, 364, 369, 374, 376, 379, 381, 418, XIII 33, 97, XIV 75, 96, 103, 112, 115, 123, 124, 128, 136, 137, 139, 140, 141, 142, 143, 147, 148, 149, 154, 155, 157, 158, 166, 168, 178, 180, 181, 183, 187, 188, 194, 195, 199, 211, 214, 215, 218, 263, 264, 273, 281, 291, 295, 296, 310, 312

___ (-color) -- X 102; ___ (cup) -- i 111, I 122, VI 483; ___ (-like taste) -- XI 251, 278; ___ (shell) -- III 456, VI 41, 50, VII 410, VIII 200, X 129, 213, XIV 248, 273; ___ (tree) -- III 57, 58

Acorus calamus (SWEET FLAG, CALAMUS) -- see Critchicrotches, Flag (Sweet), Flagroot

Actaea = *Actaea* spp. (BANE BERRY) -- IV 307, X 447

Actaea alba = *Actaea pachypoda* (WHITE BANE BERRY, DOLL'S-EYES) -- II 434, V 191, VI 306, VII 406, VIII 380

Actaea pachypoda (WHITE BANE BERRY, DOLL'S-EYES) -- see *Actaea alba*, *Actaea* (White), Cohush, Cohush (White)

Actaea (Red) = *Actaea rubra* (RED BANE BERRY) -- X 447

Actaea rubra (RED BANE BERRY) -- VIII 118

see also *Actaea* (Red), *Actaea spicata* var. *rubra*, Cohush (Red)

Actaea spicata var. *rubra* = *Actaea rubra* (RED BANE BERRY) -- X 439

Actaea (White) = *Actaea pachypoda* (WHITE BANEBERRY, DOLL'S-EYES) -- IX 410

— (berry) -- IV 359

Adiantum pedatum (MAIDENHAIR FERN) -- V 405, XII 360

see also Maidenhair, Maidenhair Fern

Adlumia cirrhosa = *Adlumia fungosa* (CLIMBING FUMITORY, MOUNTAIN-FRIDGE) -- IX 6

Adlumia fungosa (CLIMBING FUMITORY, MOUNTAIN-FRIDGE) -- see *Adlumia cirrhosa*

Aesculus spp. (BUCKEYE) -- see Buckeye

Aesculus hippocastanum (COMMON HORSECHESTNUT) -- see Horse-chestnut

Agrimonia spp. (AGRIMONY) -- see *Agrimonia eupatoria*, Agrimony

Agrimonia eupatoria = *Agrimonia* spp. (AGRIMONY)⁵ -- II 390, IV 194

Agrimony = *Agrimonia* spp. (AGRIMONY) -- II 434, III 46, IV 307, V 314, VI 400, VIII 409

Agropyron repens (QUACK GRASS) -- see Piper Grass, *Triticum repens*

Agropyron trachycaulum (SLENDER WHEATGRASS) -- see Piper Grass, *Triticum repens*

Agrostemma githago (CORN COCKLE) -- see Cockle, Corn-cockle

Agrostis alba (REDTOP) -- see *Agrostis vulgaris*, Red-top, Red-top Grass

Agrostis alba (old usage) = *Agrostis tenuis* (RHODE ISLAND BENT GRASS)⁶-- XII 216

Agrostis alba var. *palustris* (CREEPING BENT) -- see Bent Grass, Bent Grass (Purple)

Agrostis perennans (UPLAND BENT GRASS) -- XI 146, 150, XII 224

Agrostis scabra (FLY-AWAY GRASS) -- XI 150, XII 217, 224, 258, XIII 370, 385, 387, 397, 401, 404, XIV 27

see also Fly-away Grass

Agrostis tenuis (RHODE ISLAND BENT GRASS) -- see *Agrostis alba* (old usage), Bent (White)

Agrostis vulgaris = *Agrostis alba* (REDTOP)⁶ -- XII 216, XIII 370, 401

Ailanthus = *Ailanthus altissima* (TREE-OF-HEAVEN) -- VII 75, 465

Ailanthus altissima (TREE-OF-HEAVEN) -- see *Ailanthus*, *Ailanthus glandulosus*

Ailanthus glandulosus = *Ailanthus altissima* (TREE-OF-HEAVEN) -- XIII 406

Aira flexuosa = *Deschampsia flexuosa* (COMMON HAIRGRASS) -- XIII 374, XIV 19, 27, 28, 31

Alder (berry) = *Ilex verticillata* (COMMON WINTERBERRY) -- VIII 99

Alder = *Alnus* spp. (ALDER)⁷ -- i 129, 216, 304, 375, 410, 441, 445, 453, 456, I 141, 253, 331, 451, II 113, 126, 137, 172, 276, 310, 311, 411, 479, 483, III 36, 39, 59, 87, 376, 392, 395, 397, 400, 424, 428, 429, 451, 477, 485, IV 26, 39, 44, 61, 85, 96, 151, 154, 175, 186, 244, 266, 273, 284, 296, 322, 327, 342, 354, 394, 419, 424, 426, 438, 441, 488, V 7, 32, 38, 44, 50, 54, 60, 76, 79, 92, 93, 105, 112, 117, 126, 160, 249, 251, 284, 336, 346, 384, 387, 442, 449, 450, 460, 462, 474, 476, 482, 493, 517, VI 19, 23, 111, 113, 114, 131, 154, 157, 162, 167, 169, 180, 183, 186, 187, 188, 195, 204, 210, 213, 216, 217, 223, 229, 233, 243, 254, 255, 260, 261, 280, 286, 289, 298, 299, 347, 350, 470, 478, VII 24, 83, 98, 105, 166, 170, 218, 228, 247, 248, 253, 259, 261, 269, 285, 287, 294, 301, 315, 339, 397, 399, 422, 424, 461, 462, 509, 526, VIII 10, 16, 26, 49, 73, 80, 90, 96, 99, 139, 163, 172, 174, 177, 181, 182, 194, 239, 243, 248, 253, 260, 266, 267, 276, 277, 280, 284, 298, 301, 331, 342, 347, 348, 405, IX 4, 19, 95, 119, 220, 221, 294, 333, 334, 351, 359, 473, 479, X 60, 78, 105, 132, 255, 338, 373, 376, 450, 481, 502, XI 128, 168, 198, 246, 253, 259, 292, 294, 295, 308, 330, 344, 380, 394, 399, 426, 434, 441, XII 5, 8, 17, 18, 85, 106, 118, 133, 134, 138, 168, 181, 193, 214, 228, 243, 252, 399, XIII 9, 104, 112, 148, 158, 200, 204, 207, 228, 260, 325, 328, 336, 375, XIV 56, 125, 134, 164

___ (berry) -- see Alder (Black berry); ___ (blossom) -- XI 358; ___ (bough) -- VII 130, VIII 326, 405, X 114; ___ (bush) -- VI 116, VIII 268; ___ (catkin) -- IV 456, V 5, 7, 12, 13, 16, 29, 44, 474, 475, VI 51, 137, 160, VII 269, 287, 301, IX 300, 303, 330, X 242, XII 70, XIII 139, 208; ___ (clump) -- X 42, XI 292; ___ (cone) -- VIII 137; ___ (copse) -- II 320, IV 273; ___ (fruit) -- IV 432; ___ (leaf) -- II 421, 432, IV 145, VI 23, 231, VIII 23, 74, 401, XI 292, XIII 329, 378; ___ (limb) -- VIII 127; ___ (loop) -- IV 62; ___ (marsh) -- IX 481; ___ (meadow) -- X 299; ___ (root) VIII 261; ___ (row) -- VII 260, X 318; ___ (sap) -- VI 163; ___ (scale) -- VI 50, 168, VII 366, VIII 72, 239,

247; __ (seed) -- VIII 182, 198, XIII 97; __ (sprout) -- VIII 10; __ (stem) -- IV 360, V 493, VII 131, VIII 78, IX 369; __ (swamp) -- V 244, VI 117, VIII 239, 240; __ (tassel) -- XII 96; __ (thicket) -- VIII 29; __ (-top) -- VII 263; __ (twig) -- VI 105, XI 336, 394, 400

Alder (Black) = *Ilex verticillata* (COMMON WINTERBERRY) -- III 151, VI 264, 281, VIII 42, X 71

__ (berry) -- III 147, VIII (99)

Alder (Common) = *Alnus serrulata* (SMOOTH ALDER) -- II 196, 217, 396, III 400, V 53, XII 376

ALDER (GREEN) = *Alnus crispa*

ALDER (MOUNTAIN) = *Alnus crispa*

Alder (Red-berried) = *Ilex* spp. (WINTERBERRY) -- III 33

Alder (Speckled) = *Alnus rugosa* (SPECKLED ALDER) -- II 217, III 405, V 5, 8

Alder (Speckled Black) = *Ilex verticillata* (COMMON WINTERBERRY) -- VIII 100

Alder (White)⁸ = *Chamaecyparis thyoides* (ATLANTIC WHITE CEDAR) -- XII 133

Aletris = *Aletris farinosa* (COLICROOT) -- VIII 389, 391, IX 318

Aletris farinosa (COLICROOT) -- VIII 387, 389

see also Aletris

Alexanders (Golden) = *Zizia aurea* (GOLDEN ALEXANDERS) -- IV 79, 80

Alisma = *Alisma subcordatum* (SMALL WATER PLANTAIN)/*Alisma triviale* (LARGE WATER PLANTAIN)² -- V 319, VI 405, VIII 435

Alisma plantago = *Alisma subcordatum* (SMALL WATER PLANTAIN)/*Alisma triviale* (LARGE WATER PLANTAIN)² -- IV 243, XI 3

Alisma subcordatum (SMALL WATER PLANTAIN) -- see *Alisma*, *Alisma plantago*, Water-plantain

Alisma triviale (LARGE WATER PLANTAIN) -- see *Alisma*, *Alisma plantago*, Water-plantain

Allium = *Allium* spp. (ONION, LEEK, GARLIC) -- VIII 407, IX 500, XII 199

see also Onion (stem)

Allium canadense (WILD GARLIC) -- V 248, IX 463

see also Garlic, Garlic (Wild Meadow)

Almond (Pine) = Pine (seed) = *Pinus* spp. (PINE) -- i 381, I 338, II (128)

Alnus spp. (ALDER) -- see Alder

Alnus crispa (AMERICAN GREEN ALDER) -- see *Alnus viridis*

Alnus incana = *Alnus rugosa* (SPECKLED ALDER) -- II 217, III 393, 399, 424, 435, 474, V 7, 48, 346, VII 294, VIII 267, XI 37, XII 106, 126, 134, XIII 204

— (blossom) -- VII 304

Alnus rugosa (SPECKLED ALDER) -- see Alder (Speckled), *Alnus incana*

Alnus serrulata (SMOOTH ALDER) -- II 196, 217, 396, III 392, 424, 474, V 92, VII 304, VIII 280, 284, 402, XII 126, 133, 134, XIII 205

see also Alder (Common)

Alnus viridis = *Alnus crispa* (AMERICAN GREEN ALDER) -- XI 28, 30, 43, 60

Alopecurus aristulatus = *Alopecurus aequalis* (SHORT-AWNED FOXTAIL) -- XIII 400

Alopecurus geniculatus (MARSH FOXTAIL) -- XIII 369

Alopecurus pratensis (MEADOW FOXTAIL) -- VIII 118

see also Foxtail Grass, Fox-tail Grass (Meadow)

*Alsine*⁹ = *Saxifraga rivularis* (ALPINE BROOK SAXIFRAGE) -- XI 19, 61

Alsine groenlandica = *Arenaria groenlandica* (MOUNTAIN SANDWORT) -- XI 16, 37, 60, 61

Amaranth = *Amaranthus* spp. (AMARANTH) -- II 64, III 30, IV 250, 278, V 336, XII 306, XIII 58, 408

Amaranth (Common) = *Amaranthus hybridus* (SLENDER AMARANTH) -- V 317

Amaranthus = *Amaranthus* spp. (AMARANTH) -- VI 411

see also Amaranth

Amaranthus albus (TUMBLEWEED)³³⁹ -- IV 318, VIII 434

Amaranthus hybridus (SLENDER AMARANTH) -- II 62, IV 232, VI 396, VIII 434, XI 197

see also Amaranth (Common), *Amaranthus hypochondriacus*

Amaranthus hypochondriacus = ³⁴³ -- IV 351, VI 413, IX 6

Ambrina botrys = *Chenopodium botrys* (JERUSALEM OAK) -- V 398

Ambrosia = *Ambrosia* spp. (RAGWEED) -- II 59, V 378, VI 430

— (pollen) -- IV 346, IX 3

Ambrosia artemisiifolia (COMMON RAGWEED) -- IV 291

see also *Ambrosia elatior*, *Ambrosia heterophylla*, Hogweed, Wormwood, Wormwood (Roman)

Ambrosia botrys = *Chenopodium botrys* (JERUSALEM OAK) -- VIII 429

Ambrosia elatior = *Ambrosia artemisiifolia* (COMMON RAGWEED) -- II 59, XII 304

Ambrosia heterophylla = *Ambrosia artemisiifolia* (COMMON RAGWEED) -- V 378

Ambrosia (Tall) = *Ambrosia artemisiifolia* (COMMON RAGWEED) -- II 59

Amelanchier = *Amelanchier* spp. (SHADBUSH) -- III 430, IV 48, 76, 115, 205, 224, 419, V 117, 118, 120, 126, 137, 143, 156, 160, VI 282, 296, VII 236, 354, 370, 377, 511, VIII 275, IX 365, 374, X 70, 96, 405, 477, XI 31, 240, XIII 286, 338, 426, XIV 103

___ (berry) -- IV 110, 129, 130, 158, V 192, 267, 288, 302, VI 371; ___ (bud) -- V 85, 480, XIII 240; ___ (flower-bud) -- VIII 279, XIII 249; ___ (leaf) -- VI 454, XII 217

see also *Amelanchier canadensis*, Pear (Josh), Service-berry, Shad, Shad-bush

Amelanchier bartramiana (BARTRAM SHADBUSH) -- see *Amelanchier canadensis* var. *oligocarpa*, *Amelanchier oligocarpa*

Amelanchier botryapium = *Amelanchier laevis* (SMOOTH SHADBUSH) -- V 118, 137, 156, 163, 288, VI 242, 243, 248, 255, 264, 299, 371, VII 352, 366, 374, VIII 337, IX 374, XIII 260, 281, 304, 336, 426

___ (berry) -- VI 351; ___ (flower) -- XIII 279

Amelanchier canadensis (THICKET SHADBUSH)¹¹ -- IV 44, 50

see also *Amelanchier canadensis* var. *oblongifolia*, *Amelanchier* (Downy), *Amelanchier oblongifolia*, *Amelanchier obovata*, *Amelanchier* (Swamp), *Pyrus ovalis*, *Pyrus* (Swamp)

Amelanchier canadensis var. *botryapium* = *Amelanchier laevis* (SMOOTH SHADBUSH) -- V 116, X 454

Amelanchier canadensis var. *oblongifolia* = *Amelanchier canadensis* (THICKET SHADBUSH)/*Amelanchier stolonifera* (RUNNING SHADBUSH)² -- X 196, 463, XIV 28

Amelanchier canadensis var. *oligocarpa* = *Amelanchier bartramiana* (BARTRAM SHADBUSH) -- X 462, 464, XIV 28

Amelanchier (Downy) = *Amelanchier canadensis* (THICKET SHADBUSH)/*Amelanchier stolonifera* (RUNNING SHADBUSH)² -- VIII 334

Amelanchier laevis (SMOOTH SHADBUSH) -- see *Amelanchier botryapium*, *Amelanchier canadensis* var. *botryapium*, *Pyrus botryapium*

Amelanchier oblongifolia/oblongifolium = *Amelanchier canadensis* (THICKET SHADBUSH)/*Amelanchier stolonifera* (RUNNING SHADBUSH)² -- VI 256, 262, 299, 371, VII 377, IX 374, X 464, XIII 304, 336, 426

Amelanchier obovata = *Amelanchier canadensis* (THICKET SHADBUSH)/*Amelanchier stolonifera* (RUNNING SHADBUSH)² -- VI 408

Amelanchier oligocarpa = *Amelanchier bartramiana* (BARTRAM SHADBUSH) -- X 477, XI 31, 45, 50, 60

Amelanchier stolonifera (RUNNING SHADBUSH) -- see *Amelanchier canadensis* var. *oblongifolia*, *Amelanchier* (Downy), *Amelanchier oblongifolia*, *Amelanchier obovata*, *Pyrus sanguinea*

Amelanchier (Swamp) = *Amelanchier canadensis* (THICKET SHADBUSH) -- XII 376

Ammania = *Rotala ramosior* (TOOTH-CUP) -- VI 488

___ (meadow) -- XI 163, 239, XII 138; ___ (shore) -- XII 355

Ammania humilis = *Rotala ramosior* (TOOTH-CUP) -- VI 432, 488

Ammophila breviligulata (BEACH-GRASS) -- see Beach-grass

Ampelopsis = *Parthenocissus quinquefolia* (VIRGINIA CREEPER)/*Parthenocissus inserta* (THICKET CREEPER)² -- VI 390, IX 483

Ampelopsis quinquefolia = *Parthenocissus quinquefolia* (VIRGINIA CREEPER)/*Parthenocissus inserta* (THICKET CREEPER)² -- IV 265

Amphicarpa bracteata (HOG-PEANUT) -- see *Amphicarpaea*, *Amphicarpaea monoica*, Peanut (Hog), Pea-vine

Amphicarpaea = *Amphicarpa bracteata* (HOG-PEANUT) -- V 396, VI 394, 450 VII 9, IX 5, X 19, XII 382, XIII 158

___ (seed) -- X 179

Amphicarpaea monoica = *Amphicarpa bracteata* (HOG-PEANUT) -- IV 338, V 367

Anagallis arvensis (SCARLET PIMPERNEL) -- VII 434

see also Pimpernel (Scarlet)

Anaphalis margaritacea (PEARLY EVERLASTING) -- see *Antennaria margaritacea*, Everlasting (Pearly), Gnaphalium, Gnaphalium (Pearly), Life-everlasting

*Andromeda*¹² -- VI 127, 281, X 271, 272

Andromeda = *Andromeda glaucophylla* (BOG ROSEMARY) -- X 184, 492

Andromeda = *Chamaedaphne calyculata* (LEATHERLEAF) -- III 414, 424, 430, 436, 441, 445, 467, 478, IV 9, 20, 386, 398, 409, 412, 416, 426, 434, 459, 477, V 5, 101, 116, 185, 186, VI 10, 229, 350, 468, 477, VII 138, 139, 354, 370, 389, 390, 412, VIII 56, 68, 97, 108, 154, 180, 340, 350, 368, IX 38, 193, 465, X 199, 200, 201, 271, 380, XII 195, 444, 454, XIII 356, 426, XIV 262

___(bed) -- X 201; ___ (bush) -- VIII 68, 100, 107; ___ (leaf) -- III 430, V 527, VI 147; ___ (phenomenon) -- III 442; ___ (puff)-- IX 180; ___ (stem) -- VIII 69, X 201; ___ (swamp) -- III 385, V 249, VIII 60, 152, IX 31, X 174, 201, 271, XII 448; ___ (woods) -- VIII 56

Andromeda calyculata = *Chamaedaphne calyculata* (LEATHERLEAF) -- II 395, IV 28, 49, 163, VI 127, 242, 268, 297, 468, VII 108, 110, 237, 333, 379, VIII 152, 323, 340, IX 472, X 235, 271, 273, XI 46, 61, XIII 296

Andromeda (Clustered) = *Leucothoe racemosa* (SWAMP SWEETBELLS) -- VI 277, (281), 293, 300, 312

Andromeda (Dwarf) = *Chamaedaphne calyculata* (LEATHERLEAF) -- II 395, III 396, 397, 430, IV 28, 75, 189, 193, 231, 280, V 160, 186

___ (leaf-bud) -- IV 56

Andromeda glaucophylla (BOG ROSEMARY) -- see *Andromeda polifolia*, *Andromeda* (Water)

Andromeda (High) = *Lyonia ligustrina* (MALEBERRY) -- XIII 426

Andromeda ligustrina = *Lyonia ligustrina* (MALEBERRY) -- II 217, 222, 227, XII 216

Andromeda (Low) = *Chamaedaphne calyculata* (LEATHERLEAF) -- V 341, XIII 426

Andromeda (Panicked) = *Lyonia ligustrina* (MALEBERRY) -- II 124, 273, III 138, IV 126, 140, 459, 477, V 160, 175, 244, 249, 272, 283, 295, 341, 348, 449, 474, 482, VI 127, 218, 263, 301, 330, 374, VII 138, 380, 405, VIII 41, 100, IX 161, X 71, 196, 197, 198, 238, 258, 278, 282, 285, XI 168, 241, 258, XIII 91, 336

___ (berry) -- XII 351; ___ (leaf) -- XI 65

Andromeda paniculata = *Lyonia ligustrina* (MALEBERRY) -- II 217, 227, VI 349, VII 428, VIII 153, 350

Andromeda polifolia = *Andromeda glaucophylla* (BOG ROSEMARY) -- V 316, VI 127, 130, 296, 301, 468, VII 108, 110, 358, 370, 379, 384, IX 44, 394, 466, 472, X 184, 197, 198, 201, 269, 271, 273, 274, 282, 449, 492, XI 46, 84, 327, XII 191, XIII 296

___(leaf) -- XI 241, XII 394

Andromeda (Privet) = *Lyonia ligustrina* (MALEBERRY) -- II 293, IV 126, VII 107

Andromeda (Racemed) = *Leucothoe racemosa* (SWAMP SWEETBELLS) -- VI 218, IX 400

Andromeda racemosa = *Leucothoe racemosa* (SWAMP SWEETBELLS) -- VIII 369

Andromeda (Small) = *Chamaedaphne calyculata* (LEATHERLEAF) -- II 227, VII 358, 389

Andromeda (Small-flowered) = *Chamaedaphne calyculata* (LEATHERLEAF) -- III 33

Andromeda (Water) = *Andromeda glaucophylla* (BOG ROSEMARY) -- VI 297

Andromeda (Water) = ? -- II 396

Andromeda (Water) = *Chamaedaphne calyculata* (LEATHERLEAF) -- V 462, VI 153, VIII 10, 99, 228, IX 161, 304, 376, 466, 467, X 13, 183, 196, 197, 266, 269, 272, 273, 274, 285, 362, 462, 464, 477, XI 169, 265, 281, 320, 334, XIII 102, XIV 26, 28, 301

___(leaf) -- X 191, XI 322; ___ (space) -- X 197

Andropogon = *Andropogon* spp. (BEARDGRASS) -- XI 127, 147 XII 392, 395, 442, 444

___ (leaf) -- XIII 175

Andropogon furcatus = *Andropogon gerardi* (FORKED BEARDGRASS) -- XI 124, XII 321, XIV 53

Andropogon Grass = *Andropogon* spp. (BEARDGRASS) -- XI 322

Andropogon gerardi (FORKED BEARDGRASS) -- see *Andropogon furcatus*

Andropogon nutans = *Sorghastrum nutans* (WOOD GRASS) -- XI 125, 147

Andropogon scoparius (BROOM GRASS) -- X 67, XI 125, 210, 214, 233, 307, XII 33, 81, 392, XIV 53, 54, 98, 258

see also Broom Grass

Anemone = *Anemone quinquefolia* (WOOD ANEMONE)/*Anemonella thalictroides* (RUE ANEMONE)¹⁴³ -- V 235

Anemone = *Anemone quinquefolia* (WOOD ANEMONE) -- i 223, 351, 357, I 304, 311, IV 21, 54, 76, V 140, 228, VI 210, 253, VII 352, VIII 352, X 379, XII 125, 133, 166, XIII 278

— (leaf) -- III 391

Anemone nemoralis/nemorosa = *Anemone quinquefolia* (WOOD ANEMONE) -- III 66, IV 26, 40, 49, 57, 58, V 116, 118, VI 235, VII 344, 352, VIII 315

Anemone patens (PASQUE-FLOWER) -- see *Pulsatilla*

Anemone quinquefolia (WOOD ANEMONE) -- see *Anemone*, *Anemone nemoralis*, *Anemone* (Wood)

Anemone (Rue) = *Anemonella thalictroides* (RUE ANEMONE) -- V 118, 235

Anemone (Rue-leaved) = *Anemonella thalictroides* (RUE ANEMONE) -- IV 26, 42, 58

Anemone (Tall) = *Anemone virginiana* (TALL ANEMONE, THIMBLEWEED) -- IV 163, 302, V 309, 323, 360, VI 378, IX 126

— (head) -- XIII 264

Anemone virginiana (TALL ANEMONE, THIMBLEWEED) -- IV 163

see also *Anemone* (Tall), *Anemone* (White)

Anemone (White) = *Anemone virginiana* forma *leucosepala* (TALL ANEMONE)¹⁴ -- V 290, XII 450

Anemone (Wood) = *Anemone quinquefolia* (WOOD ANEMONE) -- III 472, IV 26

Anemonella thalictroides (RUE ANEMONE) -- see *Anemone* (Rue), *Anemone* (Rue-leaved), *Thalictrum anemonoides*

Anethum graveolens (DILL) -- XII 340

see also Dill

Angelica = *Angelica atropurpurea* (GREAT ANGELICA) -- II 227, 256, 278, 310, 318, III 477, V 289, 296, 330, 345, VI 334, VII 329

___ (fall) -- XII 257; ___ (stem) -- VI 153

Angelica atropurpurea (GREAT ANGELICA) -- see *Angelica*, *Angelica* (Common), *Archangelica*, *Archangelica atropurpurea*, *Archangelica* (Common)

Angelica (Common) = *Angelica atropurpurea* (GREAT ANGELICA) -- III 472

Anise = *Pimpinella anisum* (ANISE) -- V 362

Antennaria = *Antennaria* spp. (PUSSYTOES) -- VII 329, VIII> 293

see also *Antennaria plantaginifolia*, *Antennaria* (Plantain-leaved), *Gnaphalium*, *Gnaphalium plantaginifolium*, Mouse-ear

Antennaria margaritacea = *Anaphalis margaritacea* (PEARLY EVERLASTING) -- IV 230, VIII 422, IX 14

*Antennaria plantaginifolia*¹⁰ = *Antennaria* spp. (PUSSYTOES) -- III 473, 475, V 116

Antennaria (Plantain-leaved)¹⁰ = *Antennaria* spp. (PUSSYTOES) -- V 136

Anthemis cotula (MAYWEED) -- see *Maruta cotula*, Mayweed

Anthoxanthum odoratum (SWEET VERNAL GRASS)¹⁵ -- see Vernal Grass

Antirrhinum canadense = *Linaria canadensis* (BLUE TOADFLAX) -- II 69, 332

Anychia = *Paronychia canadensis* (FORKED CHICKWEED) -- V 350, VI 380, 394, 406, VIII 448, X 25, XI 66

Anychia dichotoma = *Paronychia canadensis* (FORKED CHICKWEED) -- V 312

Apargia = *Leontodon autumnalis* (FALL DANDELION) -- IV 99

Apargia autumnalis = *Leontodon autumnalis* (FALL DANDELION) -- II 294

Aphyllon = *Orobanche uniflora* (ONE-FLOWERED CANCERROOT) -- VII 407

Aphyllon uniflorum = *Orobanche uniflora* (ONE-FLOWERED CANCERROOT) -- IV 97, 102

Apios = *Apios americana* (GROUNDNUT) -- XII 305

Apios americana (GROUNDNUT) -- see *Apios*, *Apios tuberosa*, Ground-nut

Apios tuberosa = *Apios americana* (GROUNDNUT) -- II 410, IV 298, VIII 448

Apocynum = *Apocynum* spp. (DOGBANE) -- II 282, IV 491

— (leaf) -- IV 334

see also Dog's-bane

Apocynum androsaemifolium (SPREADING DOGBANE)¹⁶ -- VIII 447, 458, IX 5, XI 3

see also *Apocynum* (Common)

Apocynum cannabinum (INDIAN HEMP)¹⁶ -- VIII 458, IX 6, 53, 476, 500, XI 3

see also *Apocynum cannabinum* var. *hypericifolium*, *Apocynum hypericifolium*, Hemp (Indian)

Apocynum cannabinum var. *hypericifolium* = *Apocynum sibiricum* (CLASPING-LEAVED DOGBANE)¹⁷ -- VIII 447

Apocynum (Common) = *Apocynum androsaemifolium* (SPREADING DOGBANE) -- VIII (447), (448), XI 93

Apocynum hypericifolium = *Apocynum sibiricum* (CLASPING-LEAVED DOGBANE)¹⁷ -- VIII 448, 458

Apple = *Pyrus malus* (COMMON APPLE) -- i 237, 440, I 182, II 55, 58, 68, 92, 93, 100, 106, 108, 112, 126, 139, 140, 155, 163, 211, 212, 222, 242, 313, 360, 365, 383, 392, 396, 442, 483, III 16, 45, 83, 84, 129, 161, IV 26, 40, 61, 65, 67, 71, 189, 236, 265, 271, 300, 309, 349, 359, 367, 385, 398, 419, V 66, 126, 160, 185, 189, 210, 256, 328, 356, 373, 377, 402, 407, 436, 494, VI 224, 233, 235, 263, 269, 298, 330, 354, 411, 433, VII 24, 46, 211, 334, 342, 357, 372, 378, 398, 421, 429, 501, 504, 507, 508, 511, 517, 518, 519, 520, 521, 526, VIII 6, 7,

29, 34, 44, 47, 51, 55, 166, 200, 274, 321, 334, 347, 377, 433, 441, IX 86, 102, 113, 115, 135, 141, 290, 377, X 45, 63, 85, 86, 104, 109, 110, 112, 114, 136, 137, 138, 156, 177, 281, 448, XI 88, 232, 243, 260, 278, 280, 293, 301, XII 187, 302, 325, 326, 338, 348, 349, 356, 362, 368, 376, 380, 382, 383, 397, XIII 34, 76, 79, 126, 248, 367, XIV 99, 103, 112, 113, 114, 134, 259, 260, 263, 265, 266, 274, 298, 309, 329

__ (bloom) -- V 174; VI 288, VII 395, XI 293; __ (blossom) -- II 30, III 412, IV 67, 73, 79, V 157, 166, 169, 177, 178, 180, VI 283, VII 398, 401, IX 383, 398, XI 88, 293, XIII 286, 302; __ (bough) -- VIII 419; __ (bud) -- IV 57, VII 188, 212, XIII 184; __ (bush) -- II 331, XI 76; __ (core) -- VIII 129; __ (crop) -- IX 86, XII 337; __ (grove) -- X 138; __ (harvest) -- XI 291; __ (leaf) -- II 123, IX 122, XI 88, 292; __ (orchard) -- IV 181, V 15, X 115, 177, XIV 289; __ (paring) -- IX 104; __ (pasture) -- V 239; __ (scion) -- XIII 251; __ (scrub) -- V 179, VII 318; __ (season) -- II 108; __ (seed) -- IV 189, VII 238, VIII 210, XIV 116; __ (shrub) -- X 136, XI 269; __ (tree) -- i 183, 440, II 7, 103, 120, 139, 197, 274, 316, 361, 382, III 4, 15, 43, 75, 152, 153, 237, 385, 412, 433, IV 8, 10, 16, 17, 52, 59, 63, 66, 67, 71, 77, 112, 118, 119, 126, 205, 215, 236, 312, 354, 359, 368, 372, 442, 490, V 84, 91, 98, 117, 121, 123, 147, 151, 153, 157, 159, 177, 239, 259, 289, 327, 338, 447, VI 10, 49, 54, 92, 141, 156, 164, 175, 194, 223, 260, 378, 441, 486, VII 4, 29, 30, 43, 66, 69, 70, 106, 130, 179, 207, 216, 243, 270, 282, 307, 317, 320, 329, 377, 387, 403, 420, 422, 423, 429, 442, 475, 507, 515, VIII 6, 47, 51, 190, 191, 193, 200, 207, 278, 279, 300, 312, 317, 321, 329, 332, 342, 357, 358, 375, 376, 377, 383, 385, 395, 405, 409, 418, IX 17, 21, 158, 187, 270, 290, 292, 315, 350, 371, 397, 403, 409, X 12, 52, 95, 125, 136, 137, 138, 241, 406, 415, 422, 428, 448, 489, 492, 510, XI 85, 129, 162, 212, 228, 236, 262, 270, 293, 449, 455, XII 34, 71, 142, 178, 179, 185, 237, 259, 265, 277, 325, 327, 336, 397, XIII 34, 72, 76, 105, 112, 147, 196, 214, 291, 300, 301, 302, 306, 320, XIV 104, 145, 211, 223, 324, 340; __ (tree bough) -- IX 335; __ (tree bud) -- i 387, I 344, VIII 214; __ (tree limb) -- III 177; __ (twig) -- I 480, VII 188; __ (year) -- XIV 115

Apple (Devil's-) = *Datura stramonium* (JIMSONWEED) -- II 219

Apple (of Peru) = *Datura stramonium* (JIMSONWEED) -- II 219, VII 483

Aquilegia canadensis (WILD COLUMBINE) -- IV 27, 49, V 116

see also Columbine, Columbine (Yellow)

Aquilegia vulgaris (GARDEN COLUMBINE) -- see Columbine (Garden)

Arabis = *Arabis drummondii* (DRUMMOND'S ROCK CRESS) -- VII 319

Arabis canadensis (SICKLEPOD) -- V 366, VI 410

Arabis drummondi (DRUMMOND'S ROCK CRESS)

see *Arabis*, *Arabis laevigata*, Cress, Tower-mustard, *Turritis*, *Turritis stricta*

Arabis glabra (TOWER MUSTARD) -- see *Turritis glabra*

Arabis laevigata (SMOOTH ROCK CRESS)¹⁹ -- VI 189, 216, 224, IX 80

Arabis rhomboidea = *Cardamine bulbosa* (SPRING CRESS) -- V 165, VII 393

Aralia = *Aralia nudicaulis* (BRISTLY SARSAPARILLA) -- IV 71, 91, VI 437, X 36, XI 98

___ (hollow) -- VII 203; ___ (leaf) -- IX 9

Aralia (Bristly) = *Aralia hispida* (BRISTLY SARSAPARILLA) -- II 316, 375, VI 410, VIII 448

___ (berry) -- IV 286, V 349

Aralia hispida (BRISTLY SARSAPARILLA) -- II 316, IV 116, 258, 308, V 233, 419, VI 369, X 507, XI 238, XII 238, XIV 25, 28, 32

see also *Aralia* (Bristly)

Aralia nudicaulis (WILD SARSAPARILLA) -- IV 90, V 172, VI 279, 430, VII 387, VIII 352, X 37, 422, XI 31, 60

___ (berry) -- VI 397, VIII 465, XII 380

see also *Aralia*, *Sarsaparilla*

Aralia racemosa (SPIKENARD) -- IV 286, VI 401, IX 60, 483, 495

see also Morel (Petty), Spikenard

Arbor-vitae = *Thuja occidentalis* (EASTERN ARBOR-VITAE) -- II 153, 200, V 160, 175, 432, VI 209, 221, 277, 280, 301, 348, VII 334, VIII 275, 294, IX 315, 332, 385, 489, 491, X 13, 55, 294, 379, XI 139, 317, XII 133, 154, 384, 399, XIII 5, 247, 335, XIV 308

___ (cone) -- V 503; ___ (fan) -- II 37; ___ (hedge) -- VII 260, X 431, XI 279, XIII 326; ___ (row) -- IX 152

Arbor-vitae (Chinese) = *Thuja orientalis* (ORIENTAL ARBOR-VITAE) -- II 364

Arbutus = *Epigaea repens* (TRAILING ARBUTUS) -- XII 133, 166, 173

Arbutus pyrus -- see *Pyrus* (*Arbutus*)

Arbutus uva-ursi = *Arctostaphylos uva-ursi* (COMMON BEARBERRY) -- III 396, IV 54

Arceuthobium pusillum (DWARF MISTLETOE)²¹ -- X (274), (281)

Archangelica = *Angelica atropurpurea* (GREAT ANGELICA) -- VI 367, VIII 383, XI 60, XII 402

___ (root) -- XII 403; ___ (stem) --VIII 462, IX 60; ___ (umbellet) -- VII 413

Archangelica atropurpurea = *Angelica atropurpurea* (GREAT ANGELICA) -- IV 138

Archangelica (Common) = *Angelica atropurpurea* (GREAT ANGELICA) -- XI 24

Arctium spp. (BURDOCK) -- see Burdock, *Lappa major*

Arctostaphylos alpina (ALPINE BEARBERRY) -- XI 35, 60

Arctostaphylos uva-ursi (COMMON BEARBERRY) -- III 414

see also *Arbutus uva-ursi*, Bear-berry, *Uva-ursi*

Arenaria = *Arenaria* spp. (SANDWORT)²² -- VIII 60

Arenaria groenlandica (MOUNTAIN SANDWORT) -- IV 302, X 457, 458, 463, 476, XIV 26, 28, 45

see also *Alsine groenlandica*

Arenaria lateriflora (GROVE SANDWORT) -- X 493, XII 199

see also Sandwort (Side-flowering)

Arenaria peploides (SEABEACH SANDWORT) -- see Honkenya, *Honkenya peploides*

Arenaria serpyllifolia (THYME-LEAVED SANDWORT) -- V 184, 515, VI 269, 390, VII 388, VIII 341, 375

see also *Arenaria* (Thyme-leaved), Sandwort (Thyme-leaved)

Arenaria (Thyme-leaved) = *Arenaria serpyllifolia* (THYME-LEAVED SANDWORT) -- VII 293

Arethusa = *Arethusa bulbosa* (ARETHUSA) -- IV 122, 164, 189, 199, 273, V 218, 245, VI 238, 316, 341, 360, 375, VII 401, IX 404, XIII 423

___ (-like flower) -- IV 138; ___ (meadow) -- X 412

Arethusa (Adder's-tongue) = *Pogonia ophioglossoides* (ROSE POGONIA) -- II 274, 278, IV 121, 126, 170, V 263

Arethusa bulbosa (ARETHUSA) -- IV 200, V 263, VIII 357, X 447

see also *Arethusa*, *Arethusa* (Bulbous)

Arethusa (Bulbous) = *Arethusa bulbosa* (ARETHUSA) -- IV 76, 81, 95, V 196

Arethusa (Snake-head) = *Pogonia ophioglossoides* (ROSE POGONIA) -- VIII 402, 440,

Arethusa (Snake-mouthed) = *Pogonia ophioglossoides* (ROSE POGONIA) -- IV 200

Arethusa (Whorled) = *Isotria verticillata* (WHORLED POGONIA) -- X 489

ARGENTINE = *Potentilla egedei* var. *groenlandica*

Arnica mollis (HAIRY ARNICA) -- XI 24, 27, 60

Arisaema spp. (JACK-IN-THE-PULPIT) -- see *Arum*, *Arum triphyllum*

Aristida = *Aristida* spp. (TRIPLE-AWNED GRASS) -- XI 125

Aristida dichotoma (POVERTY-GRASS) -- XI 124, 151

Aristida (Forked) = *Aristida dichotoma* (POVERTY-GRASS) -- XI 151

Aristolochia serpentaria (VIRGINIA SNAKEROOT) -- see Snakeroot

Armoracia aquatica (LAKE CRESS) -- see *Nasturtium lacustre*

Armoracia lapathifolia (HORSERADISH) -- see Horse-radish

ARROW ARUM = *Peltandra virginica*

Arrowhead = *Sagittaria* spp. (ARROWHEAD) -- II 389, III 479, IV 208, 228, 291, V 316, 388, VI 382, 386, VII 451, VIII 440, XII 300

__ (leaf) -- XII 294

Arrow-wood = *Viburnum recognitum* (NORTHERN ARROWWOOD) -- II 261, IV 203, VI 252, 257

Arrow-wood (Maple-leaved) = *Viburnum acerifolium* (MAPLE-LEAVED VIBURNUM) -- VI 300

Artemisia = *Artemisia* spp. (WORMWOOD) -- VII 436

Artemisia vulgaris (COMMON MUGWORT) -- X 32

Artichoke = *Helianthus tuberosus* (JERUSALEM ARTICHOKE) -- XI 172, XII 410, XIV 99

__ (flower) -- IX 89

Artichoke (Jerusalem) = *Helianthus tuberosus* (JERUSALEM ARTICHOKE) -- VII 52

Arum = *Arisaema* spp. (JACK-IN-THE-PULPIT)²³ -- IV 72, 246, 304, 307, 342, V 173, 191, 330, 417, 419, VI 265, 290, 306, VII 391, VIII 415, IX 33, XII 304, 310, 381, 382, XIII 158

__ (berry) -- IV 310, 365, V 392, 415, VI 466, IX 51, 60, 89, 92, 97, X 25, XII 339; __ (flower) -- X 421; __ (fruit) -- XII 303

ARUM (ARROW) = *Peltandra virginica*

Arum peltandrum = *Peltandra virginica* (ARROW ARUM) -- XI 127, XII 185

*Arum triphyllum*²⁴ = *Arisaema* spp. (JACK-IN-THE-PULPIT)²³ -- II 201, 434, IV 58, 68, V 151, VI 431, IX 350, XII 185, XIII 292

Arundo = *Phragmites communis* (REED) -- V 382, XII 267

Arundo phragmites = *Phragmites communis* (REED) -- III 76, VII 76, XII 232

Asarum canadense (WILD GINGER) -- IX 71, 80

Asclepias = *Asclepias* spp. (MILKWEED) -- IV 491, VI 377, XII 383, XIII 407,

see also Milkweed

Asclepias amplexicaulis (BLUNT-LEAVED MILKWEED) -- see *Asclepias obtusifolia*

Asclepias cornuti = *Asclepias syriaca* (COMMON MILKWEED) -- IV 192, V 298, VI 404, 432, VII 43, VIII 400, IX 87, XII 382, XIII 407

— (pod) -- IX 96, 126

Asclepias exaltata (POKE MILKWEED) -- see *Asclepias phytolaccoides*

Asclepias (Four-leaved) = *Asclepias quadrifolia* (FOUR-LEAVED MILKWEED) -- V 289

Asclepias incarnata (SWAMP MILKWEED) -- IV 192, 261, V 313, 323, VI 385, 396

see also *Asclepias pulchra*, *Asclepias* (Water), Milkweed (Water), Silkweed (Water)

Asclepias obtusifolia = *Asclepias amplexicaulis* (BLUNT-LEAVED MILKWEED) -- IV 205, 208, V 308, VI 384, VIII 404, IX 88

Asclepias phytolaccoides = *Asclepias exaltata* (POKE MILKWEED) -- VI 381, VIII 403

Asclepias pulchra = *Asclepias incarnata* (SWAMP MILKWEED) -- II 308, 314, 424, IV 192, 288, VIII 407, XII 238

Asclepias purpurascens (PURPLE MILKWEED) -- IV 179, VI 384, 404

Asclepias quadrifolia (FOUR-LEAVED MILKWEED) -- IV 138

see also *Asclepias* (Four-leaved)

Asclepias syriaca (COMMON MILKWEED) -- II 314, 424, III 17, IV 192, 208, 246, 396, VI 404,

see also *Asclepias cornuti*, Milkweed (Common)

Asclepias tuberosa (BUTTERFLY-WEED) -- VIII 118, X 15, XI 87

see also *Asclepias* (Yellow-flowered)

Asclepias (Water) = *Asclepias incarnata* (SWAMP MILKWEED) -- V 313, VI 131, 268, 422, VIII 116

Asclepias (Yellow-flowered) = *Asclepias tuberosa* forma *lutea* (BUTTERFLY-WEED) - VI 468

Ash = *Fraxinus* spp. (ASH) -- i 236, I 181, II 64, 201, III 36, IV 105, 116, 361, 378, V 176, 443, VII 64, 66, 256, 366, 374, 407, VIII 181, 213, 341, IX 256, X 64, 120, 372, XI 106, 202, 442, XII 219, 303, XIV 98, 209, 262

__ (rule) -- V 425; __ (swamp) -- IX 370; __ (tree) -- IV 106, 119, 222, VI 281, 470, VIII 181, 411, IX 370, 387, X 43, 55, 80, 91, 102, 103, 117, 210, XI 105, XII 221, 366, 386, 451, XIII 56, 58, 63, 329, 336, XIV 296; __ (tree hole) -- XII 272; __ (twig) -- IX 387

Ash (Black) = *Fraxinus nigra* (BLACK ASH) -- II 197, 206, 434, III 36, 43, 59, 129, 425, IV 58, V 151, 160, VI 263, VII 6, 100, IX 124, 366, X (91), 105, XII 108, XIII 186, 192, 319, 329

__ (key) -- VIII 72; __ (shoot) -- VII 395

Ash (Reddish) = *Fraxinus pennsylvanica* (RED ASH) -- V 176

Ash (White) = *Fraxinus americana* (WHITE ASH) -- II 138, 201, 206, 434, III 36, 43, 48, 59, 129, IV 58, 138, V 151, 160, 171, 172, 436, 447, VI 263, 283, 300, 422, 470, VII 373, 378, IX 124, 187, 371, 377, X 12, 67, (91), XI 198, 242, XII 108, 190, XIII 313, 331

__ (anther) -- IX 388; __ (tree) -- III 91, IV 155, VI 489, XI 210

Ash (Yellow) = ¹³ -- II 206

Asparagus = *Asparagus officinalis* (ASPARAGUS) -- II 227

__ (plant) -- X 510; __ (seed) -- XIV 172

Asparagus officinalis (ASPARAGUS) -- see *Asparagus*, *Asparagus* (Wild)

Asparagus (Wild) = *Asparagus officinalis* (ASPARAGUS) -- XIII 319

Aspen = *Populus* spp. (POPLAR, ASPEN) -- II 298, 305, III 323, 414, 419, IV 21, 26, 37, 43, 64, 377, 385, 395, 424, 428, V 5, 42, 61, 74, 85, 97, 122, 126, 156, 159, 280, VI 275, VII 251, 312, 351, 362, 372, VIII 196, 266, 277, 281, 312, 323, IX 406, X 84, 96, 102, 117, 260, 267, 359, 420, XI 234, 246, 268, 271, 288, 302, 312, 342, 343, XII 85, 133, 176, 179, 291, 388, XIII 208, 251, 264, 272, 284, 299, 305, 313, 319, 320, 336, 369, XIV 150, 162

___ (bark) -- VIII 309; ___ (bud) -- VIII 167, 225; ___ (catkin) -- VII 260, 320, VIII 226, 264; ___ (down) -- XIII 180, 298; ___ (flower) -- X 359; ___ (green) -- V 168; ___ (leaf) -- IV 133, 329, V 138, VII 351, IX 25, 360, X 401, XII 174; ___ (sprout) -- IX 113, XI 215; ___ (tree) -- IX 305

Aspen (American) = *Populus tremuloides* (QUAKING ASPEN) -- II 197

Aspen (Black) = *Populus nigra* var. *italica* (LOMBARDY POPLAR) -- III 400

Aspen (Fine-toothed) = *Populus tremuloides* (QUAKING ASPEN) -- III 362

Aspidium achrostichoides = *Polystichum acrostichoides* (CHRISTMAS FERN) -- XI 332

Aspidium cristatum = *Dryopteris cristata* (CRESTED FERN) -- X 24, 123, 137, 149, XI 332, XII 360, 386

___ (-like) -- IX 483

Aspidium filix-foemina = *Athyrium filix-femina* (LADY FERN) -- V 416, IX 483

Aspidium marginale = *Dryopteris marginalis* (MARGINAL SHIELD FERN) -- IX 483, XI 332, XII 359

Aspidium noveboracense = *Dryopteris noveboracensis* (NEW YORK FERN) -- IX 483, XII 353, 360

Aspidium spinulosum = *Dryopteris spinulosa* (SPINULOSE WOOD-FERN) -- X 123, 149, XI 332, XII 353, 359, 386, XIII 301

Aspidium thelypteris = *Dryopteris thelypteris* (MARSH FERN) -- XII 291, 357, 360, XIII 298

Asplenium = *Asplenium* spp. (SPLEENWORT) -- X 134, XI 333

___ (fern) -- X 358

see also Spleenwort

Asplenium ebeneum = *Asplenium platyneuron* (EBONY SPLEENWORT) -- V 405, IX 483, XI 332

Asplenium filix-foemina = *Athyrium filix-femina* (LADY FERN) -- XII 353, 359, 360

Asplenium platyneuron (EBONY SPLEENWORT) -- see *Asplenium ebeneum*, Spleenwort (Ebony)

Asplenium thelypteroides = *Athyrium thelypteroides* (SILVERY SPLEENWORT) -- IX 89, XII 360

Asplenium trichomanes (MAIDENHAIR SPLEENWORT) -- V 405, IX 483, XI 332

Aster = *Aster* spp. (ASTER) -- I 450, II 70, 85, 104, 309, 424, III 24, 44, 65, 188, IV 82, 99, 201, 247, 265, 266, 292, 305, 310, 350, 355, 358, 364, 369, 370, 373, 393, 408, V 302, 317, 319, 336, 355, 387, 388, 397, 399, 402, 403, 404, 405, 406, 408, 412, 417, 418, 423, 424, 449, 450, 462, 473, VI 153, 387, 393, 396, 402, 434, 449, VII 18, 35, 40, 53, 64, 95, VIII 61, 429, IX 12, 25, 51, 61, 66, 68, 79, 89, 106, 107, 123, 135, 318, 498, X 58, 457, XI 20, 26, 171, 267, 277, 390, XII 26, 301, 305, 439, 442, XIII 18, 31, XIV 50, 122

___ (head) -- XII 442; ___ (-like) -- V 201; ___ (-like flower) -- V 302, 362; ___ (-like plant) -- IV 265; ___ (-looking flower) -- II 227; ___ (meadow) -- VI 377

see also Diplopappus

Aster acuminatus (WHORLED ASTER) -- IV 347, V 375, 397, 412, 414, VI 409, VII 65, IX 13, 52, 69, 90, 106, 498, XI 31, 60, XIV 25, 28, 31,

Aster amplexicaulis = *Aster patens* (LATE PURPLE ASTER) -- II 482, IV 297, 305, 338, V 365

*Aster carneus*³⁴⁵ = *Aster simplex* (PANICLED ASTER) -- VII 7, 18

Aster (China) = *Callistephus* spp. (CHINA ASTER) -- XI 267

Aster concinnus = *Aster laevis* (SMOOTH ASTER)²⁵ -- IX 62, 66, 78

Aster (Conyza-like) = *Seriocarpus asteroides* (TOOTHED WHITE-TOPPED ASTER) -- V 319

Aster cordifolius (HEART-LEAVED ASTER) -- V 397, 413, 432, VI 447, 449, 463, VII 65, VIII 459, IX 12, 63, 79, XI 172, 175, XII 374,

see also *Aster cordata*

Aster cordata = *Aster cordifolius* (HEART-LEAVED ASTER) -- XIV 76

Aster corymbosus = *Aster divaricatus* (WHITE WOOD ASTER) -- IV 295, V 355, 413, 424, VI 447, 463, VIII 459, IX 52, 70, 90, 106, 107, XI 175, XII 289, 305, XIV 76

Aster divaricatus (WHITE WOOD ASTER) -- see *Aster corymbosus*

Aster dumosus (BUSHY ASTER)²⁶ -- IV 261, 264, 405, V 355, 397, 398, 402, 412, 413, 415, VI 412, 432, 434, VII 35, VIII 446, IX 12, 52, 87, 90, 106, XI 235, 390, XII 305, XIV 53

see also Aster (Small Bushy White)

Aster (Early) = *Aster vimineus* (SMALL WHITE ASTER)

— (meadow) -- X 488

Aster (Early Meadow) = *Aster vimineus* (SMALL WHITE ASTER) -- VII 443, VIII 410, IX 13

Aster ericoides (MANY-FLOWERED ASTER) -- see *Aster multiflorus*

Aster foliaceus (LEAFY-BRACTED ASTER) -- see *Aster prenanthes*

Aster (Hubbard) = *Aster vimineus* (SMALL WHITE ASTER) -- VI 462, VIII 429

Aster (Hubbard Meadow) = *Aster vimineus* (SMALL WHITE ASTER) -- VIII 410

Aster infirmus (CORNEL-LEAVED ASTER) -- see *Diplopappus cornifolius*

Aster laevis (SMOOTH ASTER) -- V 362, 387, 397, 403, 412, 413, 414, 451, 477, VI 447, VIII 410, IX 13, 52, 84, 90, 106, XI 125

— (flower) -- X 35

Aster lateriflorus (CALICO ASTER) -- see *Aster miser*, *Aster* (Spreading)

Aster linariifolius (STIFF ASTER) -- IV 266, V 338, 403, IX 66

see also *Aster* (Savory-leaved), *Diplopappus linariifolius*

Aster linifolius = *Aster subulatus* (SMALL SALT-MARSH ASTER) -- XI 173

Aster longifolius = *Aster simplex* (PANICLED ASTER)/*Aster novi-belgii* (NEW YORK ASTER)²⁷ -- IV 310, 322, V 387, 402, 406, 412, 413, 414, 423, 433, 451, 455, 476, VI 447, VII 7, IX 6, 13, 52, 83, 90, 106, 107, XI 141, 176,

___ (-like) -- VII 18, IX 79

Aster macrophyllus (LARGE-LEAVED ASTER) -- IV 246, V 386, 397, 413, 432, VI 431, VIII 448, 459, IX 12, 25, 52, 66, 70, 90, 106, 495, 497, XI 37, 73,

Aster miser = *Aster lateriflorus* (CALICO ASTER) -- II 278, 309, V 397, 398, 412, 413, 415, 418, VI 445, IX 6, 13, 52, 68, 69, 79, 90, 106, XI 141, XII 315

___ (-like) -- IX 68

Aster multiflorus = *Aster ericoides* (MANY-FLOWERED ASTER) -- V 409, 413, VII 9, IX 52, 90, 91, 106, 107, XI 173

Aster novae-angliae (NEW ENGLAND ASTER) -- IX 82, XI 172, XII 329

Aster novi-belgii (NEW YORK ASTER) -- see *Aster longifolius*

Aster patens (LATE PURPLE ASTER) -- IV 306, V 362, 365, 387, 397, 398, 403, 412, 413, 414, VI 406, 434, VIII 450, 464, IX 12, 51, 90, 106, XI 147

see also *Aster amplexicaulis*

*Aster prenanthes*²⁸ = *Aster foliaceus* (LEAFY-BRACTED ASTER) -- XI 31, 47, 60

Aster ptarmicoides (UPLAND WHITE ASTER) -- IX 62

Aster puniceus (PURPLE-STEMMED ASTER) -- IV 310, V 387, 397, 406, 412, 413, 414, 421, 423, 433, 451, 455, 462, 473, 476, 477, 494, VI 446, VII 34, VIII 9, 411, 461, IX 12, 35, 52, 61, 83, 90, 106, X 71, XII 292, 305, 329

Aster radula (ROUGH-LEAVED ASTER) -- IV 265, V 336, 375, 388, 397, 406, 412, 413, 414, VI 409, 434, VII 429, 437, 465, IX 12, 52, 90, 491, XII 257

— (swamp) -- VIII 435, IX (9)

*Aster salicifolius*³³⁵ = *Aster simplex* (PANICLED ASTER) -- V 402

Aster (Savory-leaved) = *Aster linariifolius* (STIFF ASTER) -- II 370, IV 369, 400, VII 434, 498, VIII (61), IX 404, XI 69, 207, XII 289

Aster simplex (PANICLED ASTER) -- IX 62

see also *Aster carneus*, *Aster longifolius*, *Aster tenuifolius*

Aster (Small-flowered) = *Aster lateriflorus* (CALICO ASTER) -- II 278

Aster (Small Bushy White) = *Aster dumosus* (BUSHY ASTER) -- IV 378, 399

Aster (Small White) = *Aster vimineus* (SMALL WHITE ASTER)²⁹ -- IV 196, 405

Aster spectabilis (SHOWY ASTER) -- IX 82

Aster (Spreading) = *Aster lateriflorus* (CALICO ASTER) -- IV (292)

Aster subulatus (SMALL SALT-MARSH ASTER) -- see *Aster linifolius*

Aster tenuifolius 30 -- VII 7, 18, IX 79

*Aster tradescanti*³¹ = *Aster vimineus* (SMALL WHITE ASTER) -- V 402, 406, 408, 412, 413, 415, 421, 422, 451, 452, 473, VI 432, 462, VII 3, 34, 37, VIII 429, 466, IX 13, 52, 81, 82, 90, 91, 106, 107, 114, X 80, XI 149, 173, XII 305

— (-like) -- VI 387

Aster umbellatus (FLAT-TOPPED ASTER) -- IV 303

see also *Aster* (Umbelled), *Diplopappus umbellatus*

Aster (Umbelled) = *Aster umbellatus* (FLAT-TOPPED ASTER) -- IV (292)

Aster undulatus (WAVY-LEAVED ASTER) -- III 472, IV 266, 338, 357, 358, 369, 377, 379, 391, 395, 401, 408, 411, 415, V 8, 366, 400, 404, 409, 412, 413, 415, 423, 432, 433, 436, 449, 450, 451, 473, 476, 477, VII 18, 31, IX 13, 52, 63, 86, 87, 90, 106, 107, 115, 123, XI 175, 200, 238, 250, 280, 291, XII 26, 363

Aster (Variable) = *Aster undulatus* (WAVY-LEAVED ASTER) -- IV 357

Aster vimineus (SMALL WHITE ASTER) -- see *Aster dumosus*, Aster (Early), Aster (Early Meadow), Aster (Small White), *Aster tradescanti*

ASTER (WHITE-TOPPED) = *Sericocarpus* spp.

Aster (White Wood) = *Aster divaricatus* (WHITE WOOD ASTER) -- XI 175

Athyrium filix-femina (LADY FERN) -- see *Aspidium filix-foemina*, *Asplenium filix-foemina*

Athyrium thelypteroides (SILVERY SPLEENWORT) -- see *Asplenium thelypteroides*

Atriplex = *Atriplex* spp. (ORACH) -- VIII 389

*Atriplex patula*²⁴ = *Atriplex* spp. (ORACH) -- VIII 387

Avena sativa (OATS) -- see Oats

Avens (Red) = *Geum rivale* (PURPLE AVENS, WATER AVENS) -- XII 199

Avens (Water) = *Geum rivale* (PURPLE AVENS, WATER AVENS) -- IV 82

Avens (White) = *Geum canadense* (WHITE AVENS) -- V 352, VIII 401

Azalea = *Rhododendron viscosum* (SWAMP AZALEA) -- VI 88, VIII 100

__ (bud) -- VIII 99, XI 246

Azalea = *Rhododendron roseum* (ROSEHELL AZALEA) -- V 205, 223, 471, VI 262, VIII 49, XI 206

__ (meadow) -- VIII 49; __ (swamp) -- VII 411, VIII 49

AZALEA (ALPINE) = *Loiseleuria procumbens*

Azalea (Naked) = *Rhododendron roseum* (ROSEHELL AZALEA) -- VI 286

___ (shoot) -- VII 385

Azalea (Naked-flowered) = *Rhododendron roseum* (ROSEHELL AZALEA) -- VI 285

Azalea nitida = *Rhododendron viscosum* (SWAMP AZALEA) -- V 208

Azalea nudiflora = *Rhododendron roseum* (ROSEHELL AZALEA) -- V 204, 207, 208, VI 275, 281, 301, 324, VII 396, 404, VIII 356, 362, XII 192

___ (flower) -- XII 189

Azalea partita = ³³ -- V 208

Azalea (Pink) = *Rhododendron roseum* (ROSEHELL AZALEA) -- V 203, 470, VII 52, IX 379, X 442, XIII 314

Azalea procumbens = *Loiseleuria procumbens* (ALPINE AZALEA) -- XI 24

Azalea (Purple) = *Rhododendron roseum* (ROSEHELL AZALEA) -- V 203, 207

AZALEA (SWAMP) = *Rhododendron viscosum*

Azalea viscosa = *Rhododendron viscosum* (SWAMP AZALEA) -- II 60

Azalea (White) = *Rhododendron viscosum* (SWAMP AZALEA) -- XI 241

Balm = *Melissa officinalis* (BALM) -- i 58, 235, 328, I 62, 180, 280, III 466

BALM (HORSE) = *Collinsonia canadensis*

Balm-of-Gilead = *Populus gileadensis* (BALM-OF-GILEAD) -- II 360, III 127, 436, 470, IV 8, 24, 33, 128, V 126, 138, 160, VI 113, 227, 251, 255, 259, 265, 275, 299, VII 328, 333, 386, IX 348, 414, X 79, 245, XI 210, 234, 243, XII 388

___ (bud) -- III 471, V 117; ___ (catkin) -- VII 335; ___ (grove) -- XIII 243; ___ (pollen) -- IX 356

BANEBERRY = *Actaea* spp.

Banyan = *Ficus benghalensis* (BANYAN) -- i 18, 178, 409, I 17

Baobab (tree-like) = *Adansonia digitata* (BAOBAB) -- III 167

Baptisia tinctoria (WILD INDIGO) -- see Indigo, Indigo-weed

Barbarea = *Barbarea vulgaris* (COMMON WINTER CRESS) -- VI 293

Barbarea sativa = ³⁴ -- VIII 382

Barbarea vulgaris (COMMON WINTER CRESS) -- V 159, VIII 382

see also Barbarea, Cress, Herb of St. Barbarea, Rocket (Yellow)

Barberry = *Berberis vulgaris* (EUROPEAN BARBERRY)³⁵ -- II 121, 501, III 13, 15, 452, IV 72, 75, 308, 332, 350, 352, 355, 367, 397, 431, 441, V 83, 126, 160, 174, 240, 390, 434, 435, 450, 506, VI 128, 233, 290, 298, 455, VII 59, 99, 330, 395, 460, VIII 132, 135, 166, IX 81, 85, 86, 92, 206, X 32, 64, 66, 111, 112, 158, 448, 494, 510, XI 76, 232, 260, 266, 301, XII 18, 309, 348, 350, 352, 381, 382, XIII 292, 406, XIV 262

__ (bloom) -- IX 388; __ (blossom) -- IV 79, XIII 400; __ (bush) -- II 417, IV 132, 277, 355, 362, 398, V 126, 191, 192, 505, VI 68, 128, 143, 224, 310, 347, VIII 133, 294, X 106, 110, 112, 115, 180, 286, 510, XI 261, XII 348, 349, 352, XIII 316; __ (clump) -- XI 76; __ (flower) -- XIII 323; __ (fruit) -- II 320; __ (-picker) -- IX 85; __ (plant) -- XI 76; __ (seed) -- X 179; __ (sprout) -- IV 475; __ (stem) -- XII 352

(a-) __(-ing) -- V 435, VII 460, X 111, XII 346, 348, 350; __(-ing) -- IV 355, IX 84, X 59

Barley (French) = *Hordeum vulgare* (BARLEY) -- II 354

Barnyard Grass = *Echinochloa crus-galli* (BARNYARD GRASS)³⁶ -- XII 293, 294

Bartonia = *Bartonia virginica* (YELLOW BARTONIA) -- V 348, VI 414

Bartonia tenella = *Bartonia virginica* (YELLOW BARTONIA) -- IV 292, VIII 435, XII 262

Bartonia virginica (YELLOW BARTONIA) -- see Bartonia, *Bartonia tenella*

Bartsia pallida = *Castilleja septentrionalis* (PALE PAINTED CUP) -- XI 24

Basil = *Satureja vulgaris* (BASIL) -- IX 71

Basil (Wild) = *Pycnanthemum incanum* (HOARY MOUNTAIN MINT) -- V 322, 324

Bass = *Tilia americana* (AMERICAN BASSWOOD) -- III 43, 129, IV 59, 96, 195, 201, 217, 228, 396, V 111, 151, 160, 289, 311, 436, VI 262, 268, 300, 384, 415, 416, VII 66, 84, 362, 366, 369, 487, VIII 301, 353, 411, 416, IX 60, 124, 400, 475, X 48, 105, 338, XI 196, XII 108, 267, XIII 331, 351, XIV 269

___ (bark) -- VIII 378; ___ (berry) -- VII 59, XII 360, 382; ___ (leaf) -- IV 76, VII 380, XI 196; ___ (nut) -- VIII 148, 261; ___ (tree) -- II 64, IV 164, V 310, VI 400, 404, 405, VII 66, 377, IX 474, X 23, XI 208

Basswood = *Tilia americana* (AMERICAN BASSWOOD) -- II 434, 478, III 57, 474

___ (bark) -- II 114

Bayberry = *Myrica pensylvanica* (NORTHERN BAYBERRY) -- IV 69, VI 487, 489, VII 43, 334, 377, 383, 399, 438, IX 136, 320, 321, 415, 452, XI 301, XII 180, 382, 383, XIII 158, 319, 320, 326, XIV 91

___ (berry) -- XII 351; ___ (bush) -- VII 9, X 510, XI 175, 178, 179; ___ (fire) -- XI 179; ___ (leaf) -- XII 386

Beach-grass = *Ammophila breviligulata* (BEACH-GRASS) -- VII 439, 442, XI 177, 179

BEACH PEA = *Lathyrus japonicus*

BEAK-RUSH = *Rhynchospora* spp.

Bean (Bush) = *Phaseolus vulgaris* var. *humilis* (BUSH BEAN) -- II 227

Bean (Castor plant) = *Ricinus communis* (CASTOR-OIL PLANT) -- XII 290

Bean Vine (Three-lobed) = *Strophostyles helvola* (TRAILING WILD BEAN) -- XI 173

Bear-berry = *Arctostaphylos uva-ursi* (COMMON BEARBERRY) -- II 224, IV 54, VI 262, 299, VIII 293, 324, 325, 328, IX 435, 450, 452, XI 17, 238, 343, XII 334, XIII 279

BEARDGRASS = *Andropogon* spp.

Beard Grass (Chestnut) = *Sorghastrum nutans* (WOOD GRASS) -- XI 147

Beard Grass (Forked) = *Andropogon gerardi* (FORKED BEARDGRASS) -- XI 124

BEDSTRAW = *Galium* spp.

BEE-BALM = *Monarda didyma*

Beech = *Fagus grandifolia* (AMERICAN BEECH) -- II 142, 197, III 94, 336, 404, IV 345, V 160, 173, VI 300, VII 64, 267, 355, 368, VIII 294, 336, 337, 392, 396, IX 69, 371, X 39, XI 15, 59, 244, 249, 250, 293, XII 361, 368, XIV 89, 160, 247, 256, 263

___ (blossom) -- VII 378; ___ (leaf) -- V 473, VIII 337, IX 391; ___ (leaf-bud) -- VII 356, 369; ___ (-nut) -- V 244, 473, X 69, 125; ___ (-nut bur) -- XII 362, XIV 90; ___ (tree) -- i 122, I 133, V 473, IX 178, X 32, XII 379; ___ (twig) -- VIII 338, XIV 120; ___ (wood) -- III 93, VIII 195, 386, IX 236, XI 6, 250; ___ (wood-lot) -- VIII 194

Beech (Swamp) = *Carpinus caroliniana* (AMERICAN HORNBEAM) -- II 201

Beechdrops = *Monotropa hypopithys* (FALSE BEECHDROPS) -- V 196

Beechdrops = *Epifagus virginiana* (BEECHDROPS) -- II 205, VIII 396, IX 69

Beechdrops (False) = *Monotropa hypopithys* (FALSE BEECHDROPS) -- V 343

Beggar's-lice = *Hackelia virginiana* (VIRGINIA STICKSEED) -- V 333

Beggar-ticks = *Bidens* spp. (BUR-MARIGOLD) -- III 4, 65, IV 376, V 392, 448, IX 82, 93, 143, XI 233, XII 341

Bell-flower (Clasping) = *Specularia perfoliata* (VENUS'S LOOKING-GLASS) -- II 274, IV 143

Bellflower (Slender) = *Campanula aparinoides* (MARSH BELLFLOWER) -- II 389, IV 187, 232, 246, V 357

Bellflower (Slender Climbing) = *Campanula aparinoides* (MARSH BELLFLOWER) -- VII 452

Bellwort (Large-flowered) = *Uvularia grandiflora* (LARGE-FLOWERED BELLWORT)³⁷ -- IX 491

Bellwort (Perfoliate) = *Uvularia perfoliata* (PERFOLIATE BELLWORT) -- II 224, X 120

Bellwort (Sessile-leaved) = *Uvularia sessilifolia* (WILD OATS, SESSILE-LEAVED BELLWORT) -- IV 56, VII 18

Bent Grass = *Agrostis* spp. (BENT GRASS)³⁸ -- IV 115, 131, 151, 237, V 124, VI 292

— (light) -- IV 137

Bent Grass (Purplish) = *Agrostis* spp. (BENT GRASS)³⁸ -- VI 285

Bent (White) = *Agrostis tenuis* (RHODE ISLAND BENT GRASS) -- XI 146

Benzoin = *Lindera benzoin* (SPICEBUSH) -- V 116, VI 232, X 379, XII 133, XIII 246

Benzoin odoriferum = *Lindera benzoin* (SPICEBUSH) -- IV 49

Berberis vulgaris (EUROPEAN BARBERRY) -- see Barberry

Bergamot = *Monarda fistulosa* (WILD BERGAMOT) -- IX 5

Bergamot (Wild) = *Monarda fistulosa* (WILD BERGAMOT) -- IX 4

Beta = *Beta* spp. (BEET) -- III 346

Bethlehem-star (Yellow) = *Hypoxis hirsuta* (YELLOW STARGRASS) -- II 266, 370, IV 74, 110, V 179, 235, 398, VI 305, VII 36, 407, VIII 437, IX 8, X 481, XIII 324

BETONY (WOOD) = *Pedicularis canadensis*

Betula alba (EUROPEAN WHITE BIRCH) -- see *Betula alba* (old usage), Birch (European White)

Betula alba (old usage) = *Betula populifolia* (GRAY BIRCH)³⁹ -- IX 414, X 259, XIV 239

Betula excelsa = *Betula lutea* (YELLOW BIRCH) -- IV 50

Betula lenta (BLACK BIRCH) -- IV 50

see also Birch (Black)

Betula lutea (YELLOW BIRCH) -- see *Betula excelsa*, Birch (Silver), Birch (Yellow)

Betula nigra (RIVER BIRCH) -- see Birch (Red)

Betula papyracea = *Betula papyrifera* (PAPER BIRCH, CANOE BIRCH) -- II 195, IV 50, V 129, 138, IX 340, 414

Betula papyrifera (PAPER BIRCH, CANOE BIRCH) -- see *Betula papyracea*, Birch (Canoe), Birch (Paper)

Betula pendula (EUROPEAN WEEPING BIRCH) -- see *Betula alba* (old usage), Birch (Canoe), Birch (Paper)

Betula populifolia (GRAY BIRCH) -- II 196, IV 50, IX 334, 340, 414

see also Birch (Common), Birch (White)

Bidens = *Bidens* spp. (BUR-MARIGOLD)⁴⁰ -- III 65, IV 108, 342, 376, 378, V 403, 448, IX 93, XI 233, XII 305, 320, XIII 89

— (seed) -- IX 93

see also Beggar-ticks

Bidens beckii = *Megalodonta beckii* (WATER-MARIGOLD) -- IV 326, 362, V 344, 367, 382, VI 415, 421, 432, 488, VII 5, 40, VIII 416, 441, 457, IX 84, 128, XI 121, XII 267, 272, 280, 320

— (-looking) -- VI 448

Bidens cernua (NODDING BUR-MARIGOLD) -- II 493, 500, IV 306, 334, 342, 349, 356, 381, V 405, VII 26, IX 50, 84, 107, XI 153, XII 320

Bidens chrysanthemoides = *Bidens laevis* (LARGER BUR-MARIGOLD) -- II 440, IV 322, 330, V 367, 398, VI 476, VII 26, IX 31, 84, X 27, XI 159, XII 304, 305, 320, 323

Bidens comosa (LEAFY-BRACTED BUR-MARIGOLD) -- see *Bidens connata*

Bidens connata (SWAMP BEGGAR-TICKS)⁴¹ -- IV 306, 338, 411, 415, V 385, IX 31, 35, XII 320

Bidens frondosa (STICK-TIGHT)⁴² -- IV 307, V 376, VI 489, IX 29, XII 304, 305, 320, 340

Bidens (Great) = *Bidens laevis* (LARGER BUR-MARIGOLD) -- III 4, 17, 44, IV 330, 350, V 395, VII 40, XIV 74

Bidens laevis (LARGER BUR-MARIGOLD) -- see *Bidens chrysanthemoides*, *Bidens* (Great), *Bidens* (Large-flowered)

Bidens (Large-flowered) = *Bidens laevis* (LARGER BUR-MARIGOLD) -- II 440, III 4

Bidens vulgata (TALL BEGGAR-TICKS) -- see *Bidens frondosa*

Bilberry = *Vaccinium* spp. (BLUEBERRY)⁴³ -- II 59, V 364, XI 17

___ (blow) -- i 129, I 141

Bilberry (Black) = *Vaccinium atrococcum* (BLACK Highbush Blueberry) -- II 59

Bilberry (Blue) = *Vaccinium corymbosum* (COMMON Highbush Blueberry) -- II 59

BILBERRY (ALPINE) = *Vaccinium uliginosum*

BILBERRY (DWARF) = *Vaccinium cespitosum*

Bindweed = *Convolvulus sepium* (HEDGE BINDWEED) -- II 318, IV 142

Bindweed (Black) = *Polygonum convolvulus* (BLACK BINDWEED) -- IV 172

Bindweed (Large) = *Convolvulus sepium* (HEDGE BINDWEED) -- II 274

Bindweed (Small) = *Convolvulus arvensis* (FIELD BINDWEED) -- II 366

Birch = *Betula* spp. (BIRCH) -- i 5, 128, 150, 198, 296, 311, 393, 407, 445, I 4, 140, 160, 161, 243, 244, 261, 351, II 85, 87, 98, 99, 103, 114, 220, 267, 305, 382, 396, 422, 454, 500, III 4, 33, 35, 43, 64, 75, 80, 397, 400, 403, 450, IV 43, 45, 50, 61, 62, 64, 67, 132, 136, 151, 154, 172, 211, 236, 251, 296, 337, 358, 364, 367, 368, 385, 395, 405, 418, 419, 424, 431, 432, 438, 440, 441, 445, 446, 447, 448, 449, 453, 464, V 108, 138, 149, 152, 154, 159, 168, 174, 239, 249, 298, 384, 417, 421, 426, 428, 435, 436, 441, VI 62, 63, 92, 129, 141, 191, 205, 251, 255, 259, 265, 275, 276, 280, 289, 311, 331, 349, 432, 437, 444, 454, 477, VII 4, 10, 14, 25, 46, 52, 66, 86, 105, 112, 118, 127, 147, 170, 181, 247, 248, 259, 366, 399, 409, 462, 472, 513, VIII 9, 10, 43, 51, 67, 90, 96, 163, 181, 198, 200, 265, 271, 274, 278, 301, 304, 309, 311, 319, 329, 335, 350, 363, IX 8, 19, 48, 51, 95, 111, 139, 140, 169, 181, 183, 240, 334, 344, 366, 367, 471, 492, X 23, 40, 41, 56, 68, 79, 80, 81, 102, 105, 128, 158, 167, 181, 194, 200, 320, 339,

351, 414, 439, 477, 489, XI 8, 9, 10, 45, 138, 152, 198, 206, 236, 237, 242, 243, 249, 260, 262, 271, 276, 280, 288, 299, 330, 334, 347, 365, 400, 401, 406, XII 17, 18, 76, 77, 110, 168, 200, 290, 362, 391, 399, 453, 454, XIII 9, 14, 20, 82, 104, 105, 158, 292, 300, 306, 315, 319, 325, 336, 341, 364, 372, 417, 418, 426, XIV 58, 61, 121, 135, 141, 150, 160, 161, 162, 164, 175, 176, 177, 179, 192, 215, 223, 225, 249, 263, 268, 272, 273, 291, 323,

__ (bark) -- II 114, III 89, IV 479, V 428, IX 329, 339, X 294, XI 57, 111; __ (bark canoe) -- X 292; __ (-bark horn) -- II 113; __ (-bark light) -- II 114; __ (bark tray) -- X 292; __ (-bark vessel) -- II 114; __ (canoe) -- II 114; __ (catkin) -- IV 54, 456, V 474; __ (fence) -- VI 386, VII 357; __ (forest) -- VI 479; __ (fruit) -- IV 432; __ (fungus) -- X 248, 259, XII 453, 456, XIV 272; __ (grove) -- III 132, XI 100; __ (land) -- IX 367; __ (leaf) -- III 442, IV 39, 43, 52, 62, VI 393, 437, X 58, XIII 329; __ (louse) -- XII 365, 386; __ (meadow) -- VIII 72, 308, 402; __ (paper) -- VIII 109; __ (pasture) -- X 167; __ (phalanx) -- XII 385; __ (-en rod) -- XII 330; __ (sap) -- VIII 266, 274, 356, IX 329, 331; __ (scale) -- VI 130, 177, VII 78, VIII 72, 95, 189, IX 154, __ (seed) -- VII 181, VIII 182, 198, XIII 97, XIV 215, 323, __ (spangle) -- XI 301, XIV 176; __ (sprout) -- VIII 318, X 258; __ (sprout-land) -- X 213; __ (stake) V 312, X 223, XIV 273; __ (stem) -- V 520; __ (stub) -- VIII 196; __ (swamp) -- VI 129, IX 331, XI 237; __ (switch) -- X 172; __ (-top) -- VII 28, 121, 508, XI 295; __ (tree) - - III 89, XIII 79, XIV 95, 324; __ (twig) -- X 339, XI 394, 426, XII 76, XIII 318; __ (wine) -- VI 265, VIII 294, 356, 384, 429; __ (withe) -- III 38, 434, IX 344; __ (wood) -- VI 444, VII 235, 357, VIII 43, IX 125, 366, X 37, 167, 320, XI 8, 184, XII 392, XIV 75, 131, 141, 167, 184, 198; __ (-en woods) -- i 444

Birch (Black) = *Betula lenta* (BLACK BIRCH) -- I 424, II 12, 39, 200, III 12, 45, 373, 405, 436, IV 19, 303, 345, 447, 448, (450), V 129, (138), 147, 148, 160, 263, 457, VI 111, 257, 261, (299), 379, 455, VII 63, 508, VIII 190, 271, 273, 356, 429, IX 178, 369, 470, 473, X 94, 158, 192, 193, XI 194, 225, 229, 247, 299, XII 18, 362, XIII 82, XIV 61, 189, 243, 244, 247

__ (bark) -- IV 113, VIII 383; __ (bloom) -- XII 185; __ (bud) -- III 474; __ (grove) - - IV 368; (hill) -- III 449, XIV 187; __ (leaf) -- V 225, 249, VII 513, IX 404; __ (sap) - - VIII 273, 274, IX (331), (410); __ (scale) -- VI (130), 136; __ (stump) -- VII 332, XIII 289, XIV 191, 197; __ (twig) -- III 234; __ (wine) -- VIII 274

Birch (Canoe) = *Betula papyrifera* (PAPER BIRCH, CANOE BIRCH) -- II 195, 196, 200, 407, III 18, 64, 88, 89, 109, 375, IV 122, 344, 447, VI 252, 255, 299, VII 370, VIII 273, 278, IX 366, 369, 490, X 257, 433, 450, 463, 464, XI 10, 14, 15, 18, 30, 37, 59, 60, 61, XII 388, 399, 403, XIII 83, XIV 26, 28, 270

__ (bark) -- VI 134; __ (log) -- II 233; __ (sap) -- VIII 273, 274, 319; __ (sprout) -- V 30; __ (tree) -- IX 486; __ (wine) -- VIII 384

Birch (Common) = *Betula populifolia* (GRAY BIRCH) -- III 88

Birch (Common White) = *Betula populifolia* (GRAY BIRCH) -- II 196

Birch (European White) = *Betula alba* (EUROPEAN WHITE BIRCH)/*Betula pendula* (EUROPEAN WEeping BIRCH)² -- II (196)

BIRCH (GRAY) = *Betula populifolia*

Birch (Paper) = *Betula papyrifera* (PAPER BIRCH) -- V 129, 138, 148, (154), 156, 160, VIII 109, XI 300

___ (bark) -- X 30; ___ (epidermis) -- VIII 109; ___ (woods) -- V 156

Birch (Red) = *Betula nigra* (RIVER BIRCH)⁴⁴ -- IX 414

Birch (Silver) = *Betula lutea* (YELLOW BIRCH) -- i 456

Birch (Small White Birch) = ⁴⁵ -- V 432, XI 10, 14

Birch (Sweet) = *Betula lenta* (BLACK BIRCH) -- III 373

Birch (White) = *Betula papyrifera* (PAPER BIRCH) -- XI 37

Birch (White) = *Betula populifolia* (GRAY BIRCH) -- III 36, IV 26, 47, 427, 443, 448, V 126, 129, 138, 147, 148, 151, (154), 160, 447, VI 51, 118, 252, 255, 256, 259, (280), 289, 299, 454, VII 63, 64, 86, 194, 295, 353, 377, 412, VIII 13, 249, 258, 263, 264, 265, 274, 311, 313, (319), 324, 356, 363, IX 139, 153, 329, 335, 459, X 48, 67, 148, 196, 222, (257), 464, XI 100, 200, 210, 215, 233, 251, 260, 276, 301, 308, 312, 449, XII 160, 168, 258, 365, 386, (399), 456, XIII 20, 293, 299, 333, 347, XIV 122, 125, 128, 134, 239, 252, 279, 280, 340

___ (bark) -- VIII 334; ___ (bud) -- XIII 240; ___ (catkin) -- IV 42, 412, VI 261, IX 221; ___ (fungus) -- VIII 9; ___ (leaf) -- V 119, VII (36), XI 280; ___ (pollen) -- VIII 337; ___ (sap) -- VIII 263, 274, 301; ___ (scale) -- VI (130), 136, VIII 133; ___ (seed) -- V 468, XIV 215; ___ (stem) -- X 133, XI 334; ___ (top) -- XI 258

Birch (Yellow) = *Betula lutea* (YELLOW BIRCH) -- II 200, 234, III 373, 452, IV 121, 303, 345, 399, 448, 449, 450, V 129, (138), 148, 160, 457, 478, VI 255, 299, 477, VII 64, VIII 225, 264, 272, 278, IX 369, 370, X 22, 23, 32, 65, 111, 463, 464, 494, 510, XI 14, 15, 37, 59, 198, XII 181, 385, 386, XIV 26, 247

___ (bark) -- VI 129; ___ (catkin) -- IX 368; ___ (cellar-hole) -- X 167; ___ (leaf) -- VII 369; ___ (sap) -- VIII 263, 271, 272, (274), IX (331), 341, (410); ___ (swamp) -- IX 370, XI 299, XIV 244; ___ (tree) -- IX 188, X 260

BISHOP'S CAP = *Mitella diphylla*

Bitternut = *Carya cordiformis* (BITTERNUT HICKORY)⁷² -- IV 361

Bittersweet = *Solanum dulcamara* (BITTER NIGHTSHADE) -- IV 89, 257

___ (berry) -- IV 308

BITTERSWEET (CLIMBING) = *Celastrus scandens*

Blackberry = *Rubus* spp. (BLACKBERRY, BRAMBLE, DEWBERRY) -- i 158, I 170, 425, II 59, 61, 269, 302, 318, 410, 427, IV 76, 79, 117, 120, 122, 127, 170, V 155, 169, 225, 322, 323, 324, 330, 398, 436, VI 403, VII 479, 503, VIII 356, 375, 377, 419, 421, 436, 442, 444, 445, 460, 467, IX 8, 10, 16, 31, X 14, 19, 21, 56, 488, XI 96, 119, 139, 173, 176, 239, XII 322, 383, XIII 260, XIV 9, 122, 262

___ (blossom) -- V 284; ___ (-field) -- II 269, IV 236, XI 92, 96, XIII 426, XIV 160, 162; ___ (leaf) -- V 249, VII 56; ___ (pasture) -- IX 348; ___ (patch) -- XI 193; ___ (picker) -- XIV 17; ___ (vine) -- II 313, 318, 411, III 35, 55, IV 356, V 89, 408, 447, VI 474, VII 494, VIII 222, IX 373, X 48, 72, 80, 91, 92, 117, 189, XI 248, XII 114, 368, 392, XIII 114

___ (-ing) -- IV 230, 247, X 14; (a-) ___ (-ing) -- II 89, V 281

Blackberry (High) = *Rubus allegheniensis* (ALLEGHENY BLACKBERRY)/*Rubus pensilvanicus* (PENNSYLVANIA BLACKBERRY)² -- IV 88, 257, 268, 308, 310, 316, 343, V 117, 200, 240, 342, 366, 377, VI 243, 255, 299, 310, 410, 435, VII 359, X 19, XI 139, 232, 289, 301, XII 162, 278, 380

___ (leaf) -- V 127, VII 512, XI 337

Blackberry (Low)²⁴ = *Rubus* spp. (DEWBERRY) -- IV 210, 270, 279, V 181, VI 235, 259, 298, 310, 388, 412, 414, 416, 435, VII 321, 330, 407, VIII 415, 423, VIII 445, XII 193, 257, 297, XIV 65

___ (blossom) -- X 496; ___ (flower) -- XIII 323; ___ (leaf) -- IV 115, VI 334, XI 337; ___ (vine) -- VI 453, VII 52

Blackberry (Red) = *Rubus pubescens* (DWARF RASPBERRY) -- V 309

Blackberry (Running Swamp) = *Rubus hispidus* (SWAMP DEWBERRY) -- IV 196

Blackberry (Sempervirens) = *Rubus hispidus* (SWAMP DEWBERRY) -- XII 291

Blackberry (Swamp) = *Rubus hispidus* (SWAMP DEWBERRY) -- IV 297, V 225, 273, 337, VI 419, 438

BLACK-EYED SUSAN = *Rudbeckia serotina*

Black Grass = *Juncus gerardi* (BLACK GRASS) -- VII 438, VIII 386

BLADDERNUT = *Staphylea trifolia*

Bladderwort = *Utricularia vulgaris* (COMMON BLADDERWORT) -- II 270, 482

Bladderwort (Common) = *Utricularia vulgaris* (COMMON BLADDERWORT) -- IV 91, V (315)

Bladderwort (Purple) = *Utricularia purpurea* (PURPLE BLADDERWORT) -- V 315

Bladderwort (Whorled) = *Utricularia inflata* (INFLATED BLADDERWORT) -- II 435, IV 330, V 315

BLITE (SEA) = *Suaeda* spp.

Bloodroot = *Sanguinaria canadensis* (BLOODROOT) -- XIII 256, XIV 337

Blueberry = *Vaccinium* spp. (BLUEBERRY) -- i 466, II 112, 282, 286, 421, 424, IV 68, 83, 121, 124, 130, 152, 158, 176, 177, 193, 196, 204, 224, 227, 279, 281, 346, 347, 353, 366, 419, 475, V 224, 282, 288, 294, 302, 303, 322, 342, VI 325, 378, 395, 416, 428, 489, VII 95, 419, 443, 511, VIII 42, 99, 100, 152, 445, IX 10, 31, 57, 452, 467, 482, X 67, 154, 182, 196, 197, 199, 258, 282, 283, 333, 421, 477, 481, XI 97, 146, 160, 212, 215, XII 208, 291, XIII 148, 359, 387, 418, 426, 427, XIV 12, 13, 14, 31, 32, 37, 48, 100, 103, 105, 309

__ (blossom) -- IV 90, IX 465; __ (bud) -- IV 406, 413; __ (bump) -- VIII 449; (bush) II 59, 73, IV 231, 386, 459, V 360, VI 126, VII 108, 411, 412, IX 57, X 40, 183, 200, 201, 228, 266, 272, 278, XI 23, 69, XIII 46, 148, 285, XIV 48, 130, 262; __ (grove) -- XIII 47; __ (hedge) -- XIV 130; __ (region) -- I 361; __ (stem) -- X 201; __ (swamp) -- IV 200, V 175, 239, 341, VI 97, 479, VII 253, VIII 90, IX 476, X 480, XIV 56, 62, 103, 302; __ (thicket) -- X 196, 197; __ (tree) -- XIII 47; __ (twig) -- XIV 258

Blueberry (Black) = *Vaccinium atrococcum* (BLACK Highbush Blueberry) -- IV 186

Blueberry (Black High) = *Vaccinium atrococcum* (BLACK Highbush Blueberry) -- VI 390

Blueberry (Canada) = *Vaccinium myrtilloides* (Velvetleaf Blueberry) -- IX 500, XIV 297

Blueberry (Early) = *Vaccinium angustifolium* (Early Low Blueberry) -- IV 41, 115, 163, V 303, VI 255, 351, 376, VII 369

Blueberry (Early Dwarf) = *Vaccinium angustifolium* (Early Low Blueberry) -- XIV 298

Blueberry (Early Low) = *Vaccinium angustifolium* (Early Low Blueberry) -- VIII 401, XIV 300

Blueberry (High) = *Vaccinium corymbosum* (Common Highbush Blueberry)/*Vaccinium atrococcum* (Black Highbush Blueberry)⁴⁷ -- II 53, IV 57, 66, 270, 281, 322, 367, V 5, 119, 144, 163, 302, 311, 331, 368, 382, 449, 482, VI 127, 218, 258, 264, 282, 287, 297, 300, 316, 381, 405, 412, 466, VII 84, 138, 358, 378, 410, 412, 419, 424, VIII 10, 41, 116, 340, IX 371, X 13, 192, 196, 197, XI 97, 241, 245, 258, 309, 320, 380, XIII 148, 426, XIV 62, 128, 266, 297, 299, 300

___ (blossom) -- V 229; ___ (bud) -- V 100, XI 342; ___ (bush) -- IV (40), 281, V 190, 341, 455, VI 139, 428, 444, 468, VII 52, 95, 419, VIII 99, IX 193, X 482, XII 198, XIII 39, 426; ___ (flower) -- IV 76; ___ (leaf) VIII 21; ___ (shoot) -- XII 313; ___ (wood) -- X 26

Blueberry (Low) = *Vaccinium vacillans* (Late Low Blueberry) -- XIV 297, 299

___ (leaf) -- IV 88

Blueberry (Low)⁴⁸ = *Vaccinium* spp. (Blueberry) -- V 294, VI 333, VII 107, XIV 13, 25, 28, 31, 44

___ (blossom) -- V 229; ___ (bush) -- IV 40, VI 409; ___ (shoot) -- XII 33

Blueberry (Low Early) = *Vaccinium angustifolium* (Early Low Blueberry) -- IV 5, 48

Blueberry (Pennsylvania) = *Vaccinium angustifolium* (EARLY LOW BLUEBERRY) -- XIV 297

Blueberry (Small) = *Vaccinium vacillans* (LATE LOW BLUEBERRY) -- VI 151

Blueberry (Small Glauous) = *Vaccinium vacillans* (LATE LOW BLUEBERRY) -- IV 209

Blueberry (Swamp) = *Vaccinium corymbosum* (COMMON HIGHBUSH BLUEBERRY)/*Vaccinium atrococcum* (BLACK HIGHBUSH BLUEBERRY)⁴⁷ -- XIV 299

Blue-curles = *Trichostema dichotoma* (BLUE CURLS) -- II 473, III 58, 138, 379, IV 240, 250, 266, 349, 429, V 333, 358, 369, VI 63, 384, 414, VII 247, 452, VIII 62, 466, IX 141, 155, X 303

__ (chalice) -- IX 146; __ (cup) -- VI 141

Blue-eyed Grass = *Sisyrinchium* spp. (BLUE-EYED GRASS) -- II 264, 269, 286, 425, 493, IV 75, 92, 99, 123, 173, 199, 257, 273, V 194, 199, 226, 267, 281, VI 318, 489, VII 408, VIII 358, XII 193, 203, 217, 291, 343, XIII 374, XIV 54

BLUEGRASS (KENTUCKY) = *Poa pratensis*

Blue-joint = *Calamagrostis canadensis* (BLUE-JOINT) -- II 167, X 495, XI 150, 294, 311, XII 205, XIII 24, 401, XIV 27

Blue-joint Grass = *Calamagrostis canadensis* (BLUE-JOINT) -- XI 135

Bluet = *Vaccinium angustifolium* (EARLY LOW BLUEBERRY) -- XIV 298, 300

Bluets = *Houstonia caerulea* (BLUETS) -- IV 28, 40, 53, 68, 69, 71, 265, V 434, VI 284, 447, VII 333, 382, 390, VIII 319, IX 25, 34, 340, X 379, XI 25, 47, XII 132, 133, 163, 176, XIII 255, 277, 283

Blue-tangle = *Gaylussacia frondosa* (DANGLEBERRY) -- IV 299

Boehmeria = *Boehmeria cylindrica* (FALSE NETTLE) -- V 324, 366, VI 408, 409, XI 196

Boehmeria cylindrica (FALSE NETTLE) -- IV 243

see also *Boehmeria*

Boneset = *Eupatorium perfoliatum* (BONESET) -- IX 209

BOG-ROSEMARY = *Andromeda glaucophylla*

Botryapium -- see *Amelanchier botryapium*

Botrychium = *Botrychium dissectum* (CUT-LEAF GRAPE-FERN) -- IX 107

Botrychium (swamp) = *Botrychium virginianum* (RATTLESNAKE FERN) -- X 23

Botrychium dissectum (CUT-LEAF GRAPE FERN) -- see *Botrychium lunaria*, *Botrychium lunarioides*, *Botrychium* (Small)

Botrychium lunaria = *Botrychium dissectum* (CUT-LEAF GRAPE FERN) -- XII 387

Botrychium lunarioides = *Botrychium dissectum* (CUT-LEAF GRAPE FERN)⁵⁰ -- IX 124, XII 302

Botrychium (Small) = *Botrychium dissectum* (CUT-LEAF GRAPE FERN) -- IX 107, X 18, 134, 276, XI 133, 206, 329, 358, XII 108, 140, XIV 92

__ (leaf) -- XI 293, XIV 61

Botrychium virginianum (RATTLESNAKE FERN) -- IX 475, XII 360, XIII 400

see also *Botrychium*, Rattlesnake Fern

Bottle-brush Grass = *Hystrix patula* (BOTTLE-BRUSH GRASS) -- XI 154

Bottle Grass = *Setaria* spp. (BRISTLY FOXTAIL) -- XI 124, XII 293

Bottle Grass (Green) = *Setaria viridis* (GREEN FOXTAIL) -- XI 124

Bouncing Bet = *Saponaria officinalis* (BOUNCING BET) -- V 338

Brachyelytrum erectum (SHORT-HUSK) -- see *Brachyelytrum* Grass

Brachyelytrum Grass = *Brachyelytrum erectum* (SHORT-HUSK) -- XIII 382

BRACKEN = *Pteridium aquilinum*

Brake = *Pteridium aquilinum* (BRACKEN) -- i 67, I 73, 450, II 256, 305, IV 72, 104, VI 23, 257, 324, 432, 437, 447, IX 97, X 43, 101, 149, 154, 415, XI 119, 138, 200, 207, XII 113, 182, 201, 290, 291, 304, 345, 351, 359, XIII 104, 281, 319, 326, 337, XIV 191

___ (root) -- V 506

Brake (Common) = *Pteridium aquilinum* (BRACKEN) -- V 405

Bramble = *Rubus* spp. (BLACKBERRY, DEWBERRY)

___ (berry) -- XII 297

Brasenia peltata = *Brasenia schreberi* (WATER SHIELD) -- IV 168, 238

Brasenia schreberi (WATER SHIELD) -- see *Brasenia peltata*, *Hydropeltis*, Target, Target-weed, Water-shield, Water-target

Brassica = *Brassica* spp. (MUSTARD) -- XIV 55

Brassica campestris = *Brassica rapa* (FIELD MUSTARD) -- XIII 381, XIV 55, 75

Brassica napus (TURNIP) -- XIV 55, 75, 158

see also Turnip

Brassica nigra (BLACK MUSTARD) -- see Mustard

Brassica rapa (FIELD MUSTARD) -- see *Brassica campestris*

Briar = *Smilax rotundifolia* (COMMON GREENBRIER) -- VI 281

Bromus secalinus (CHESS) -- XIII 377, 381

BROOKLIME (AMERICAN) = *Veronica americana*

Broom = *Genista tinctoria* (DYER'S GREENWEED) - X 510, XI 76, 299, 301, 309, XIV 91

Broom-corn = *Sorghum vulgare* (SORGHUM) -- IX 62

Broom Grass = *Andropogon scoparius* (BROOM GRASS) -- XI 125

Broom-rape = *Orobanche uniflora* (ONE-FLOWERED CANCER-ROOT) -- IV 258, VI 305, 308

Broom-rape (One-flowered, Single-flowered) = *Orobanche uniflora* (ONE-FLOWERED CANCER-ROOT) -- IV 97, 102, 128

Buck-bean = *Menyanthes trifoliata* (BUCKBEAN) -- IV 69, 83, 96, V 143, 163, 316, VI 297, VII 370, 379, 384, VIII 350, 352, 358, IX 44, XII 259

___ (blossom) -- X 432; ___ (flower) -- X 481

Buckeye = *Aesculus* spp. (BUCKEYE) -- i 119, 353, I 130, 306

Buckthorn = *Rhamnus cathartica* (COMMON BUCKTHORN)⁵¹ -- II 350, VI 221, VII 63, XI 294, 301

___ (bush) -- X 11; ___ (hedge) -- IX 105

Buckthorn (Common) = *Rhamnus cathartica* (COMMON BUCKTHORN) -- VIII 378

Buckwheat = *Fagopyrum sagittatum* (BUCKWHEAT) -- III 298, VI 384

BUGLEWEED = *Lycopus* spp.

Bulbostylis capillaris (HAIR-LIKE BULBOSTYLIS) -- see *Fimbristylis capillaris*, *Scirpus capillaris*

Bulrush = *Cyperus papyrus* (PAPYRUS) -- i 51, I 55

Bulrush = *Scirpus* spp. (BULRUSH)⁵² -- i 125, 454, I 136, II 167, III 51, 73, 76, 139, IV 237, 327, 386, 391, V 382, VI 399, 421, 488, VII 81, 458, XII 231, 243, 270, 281, XIII 343

___ (bog) -- XIII 408

Bulrush (Tall) = *Scirpus validus* (GREAT BULRUSH) -- III 51, IV 389

Bunchberry = *Cornus canadensis* (BUNCHBERRY) IV 97, 340, 346, 347, 362, VI 256, 414, XI 205, XII 380, 382, XIV 12, 25, 28, 31, 32

___ (leaf) -- XI 322

Bunias edentula = *Cakile edentula* (SEA ROCKET) -- II 349

Bur = ⁵³ -- i 253, I 200, 417

BUR CUCUMBER (ONE-SEEDED) = *Sicyos angulatus*

Burdock = *Arctium* spp. (BURDOCK) -- i 131, 416, I 144, II 42, IV 232, 382, V 333, VI 410, VIII 438, IX 205

___ (flower) -- XIV 99

Burdock (Sea) = *Xanthium echinatum* (BEACH CLOTBUR) -- VII 434

Bur-marigold = *Bidens* spp. (BUR-MARIGOLD) -- III 4

Bur-reed = *Sparganium* spp. (BUR-REED) -- IV 163, X 376, XI 117, 154, XII 240, 269, 356, XIII 405, 412, XIV 7

___ (blade) -- VI 423

Bur-reed (Large)⁵⁵ = *Sparganium* spp. (BUR-REED)

___ (leaf) -- VI 391

Bur-reed (Smaller) = *Sparganium americanum* (LESSER BUR-REED)/*Sparganium chlorocarpum* (GREEN-FRUITED BUR-REED)⁵⁴ -- VIII 429

Burr-marigold (Nodding) = *Bidens cernua* (NODDING BUR-MARIGOLD) -- II 493, 500

Bur-weed = ⁵⁶ -- X 60

BUSH-CLOVER = *Lespedeza* spp.

BUSH-HONEYSUCKLE = *Diervilla lonicera*

Butter-and-eggs = *Linaria vulgaris* (BUTTER-AND-EGGS) -- II 61, 72, 270, 303, III 6, 68, IV 79, 142, 258, 381, 405, 409, V 221, 291, 455, VI 364

Buttercup = *Ranunculus* spp. (BUTTERCUP, CROWFOOT) -- i 31, 85, I 31, 94, II 21, 31, 109, 218, 278, III 65, 360, IV 55, 66, 73, 78, 91, 115, 131, 189, 485, V 56, 154, 157, 158, 172, 184, 193, 220, 229, 236, 310, 380, 399, VI 117, 236, 303, 382, VII 293, 295, 328, VIII 60, IX 283, 392, 427, XI 299, XII 162, XIII 159, 184, 328,

___ (leaf) -- IV 475, XIII 196; ___ (season) -- IV 69

Buttercup (Bulbous) = *Ranunculus bulbosus* (BULBOUS BUTTERCUP) -- V 229

Buttercup (Late) = *Ranunculus repens* (CREEPING BUTTERCUP) -- III 6, 45

Buttercup (Tall) = *Ranunculus acris* (TALL BUTTERCUP) -- II 269, 309, IV 129, 391, 406, 412, 415, V 159, (229), 357, VI 288, 316, XI 40, XIII 291

Buttercup (White) = *Ranunculus* spp. (BUTTERCUP)⁵⁷ -- IV 163

BUTTERFLY-WEED = *Asclepias tuberosa*

Butternut = *Juglans cinerea* (BUTTERNUT) -- III 44, IV 382, V 160, 175, VI 258, 266, 280, 300, VII 37, 370, IX 410, X 98, XI 51, 199, 242, XII 190, 335, XIV 97, 100, 147

___ (bud) -- V 134; ___ (catkin) -- IX 383; ___ (leaf) -- XII 278; ___ (pollen) -- VII 383

Butter-weed = *Erigeron canadensis* (HORSEWEED) -- V 316, IX 241, XII 293, XIII 408

Button-balls = *Cephalanthus occidentalis* (BUTTONBUSH) -- V 463

Button-balls = *Platanus* spp. (PLANE-TREE, SYCAMORE) -- XIV 335

Button-bush = *Cephalanthus occidentalis* (BUTTONBUSH) -- II 166, 222, 310, 340, 411, 440, III 16, 28, 29, 33, 52, 54, 74, 76, 88, 332, 391, 397, 411, IV 169, 171, 184, 228, 234, 238, 239, 298, 301, 327, 331, 389, V 132, 149, 152, 153, 154, 160, 162, 172, 175, 257, 259, 260, 261, 301, 314, 316, 318, 323, 367, 388, 402, 436, 442, 463, 464, 479, 492, 493, VI 86, 87, 120, 131, 132, 195, 233, 239, 268, 279, 281, 284, 287, 288, 301, 302, 319, 327, 392, 421, 440, 448, 477, VII 5, 6, 11, 31, 40, 47, 52, 53, 54, 62, 138, 139, 284, 286, 302, 327, 382, 387, 388, 389, 393, 418, 456, 458, 485, 490, 501, 519, VIII 4, 20, 25, 55, 69, 86, 120, 124, 161, 400, 420, 462, IX 20, 127, 162, 166, 218, 304, 314, 474, X 55, 59, 60, 67, 117, 196, 256, 322, 339, 349, XI 64, 69, 71, 72, 74, 98, 114, 117, 153, 157, 163, 164, 182, 186, 202, 203, 206, 213, 376, 382, 407, 408, XII 132, 135, 136, 137, 138, 139, 209, 227, 228, 229, 233, 243, 267, 275, 276, 336, 339, 368, 377, 383, 388, 394, 395, XIII 22, 24, 48, 123, 137, 258, 261, 264, 267, 284, 291, 308, 319, 320, 336, 354, 415, XIV 4, 7, 53, 55, 73, 74, 89, 91

___ (ball) -- VII 15, XI 300, XII 382, 388, XIV 92, 98; ___ (hummock) -- VI 287; ___ (leaf) -- VII 57; ___ (row) -- VII 374; ___ (seed) -- XIV 115; ___ (stem) -- XI 294; ___ (thicket) -- XII 227; ___ (twig) -- XIII 134

Buttonwood = *Platanus occidentalis* (AMERICAN SYCAMORE)⁵⁸ -- II 10, 301, III 34, 36, 452, V 451, VI 265, 301, 419, VII 19, 29, 51, 379, 383, 450, 513, 515, VIII 125, 354, 427, IX 66, 287, 398, X 23, 67, 98, 447, XI 200, 221, 249, 263, XII 290, XIII 313, 319, 336, 351, XIV 320

___ (ball) -- VI 157, 278; ___ (bark) -- XII 275; ___ (flower) -- VII 398; ___ (leaf) -- V 486, VII 513; ___ (log) -- X 43; ___ (sap) -- XIII 208, XIV 321; ___ (seed) -- XIV 321; ___ (stigma) -- VII 393; ___ (stump) -- XI 263; ___ (tree) -- II 8, III 4, 94

Cabbage -- see Skunk-cabbage

Cacalia suaveolens (SWEET-SCENTED INDIAN PLANTAIN) -- VII 515

Cakile americana = *Cakile edentula* (SEA ROCKET) -- VII 433

Cakile edentula (SEA ROCKET) -- see *Bunias edentula*, *Cakile americana*, Sea-rocket

Calamagrostis canadensis (BLUE-JOINT) -- X 495

see also Blue-joint, Blue-joint Grass

Calamagrostis cinnoides (NUTTALL'S REED-GRASS) -- see *Calamagrostis coarctata*

Calamagrostis coarctata = *Calamagrostis cinnoides* (NUTTALL'S REED-GRASS) -- XII 292, XIV 54, 64

Calamint = *Pycnanthemum* spp. (MOUNTAIN MINT)⁵⁹ -- II 283, 401, 461, V 322, VI 395, XIII 69

___ (wall) -- XIII 310

Calamint (Soft-leaved) = *Pycnanthemum incanum* (HOARY MOUNTAIN MINT) -- V 128

CALAMUS = *Acorus calamus*

Calla = *Calla palustris* (WILD CALLA) -- IX 371, 411, X 18, 66, 153, 447, 501

___ (swamp) -- X 25

Calla = *Peltandra virginica* (ARROW ARUM) -- IV 170, 235, VI 351

__ (fruit) -- VI 377

Calla palustris (WILD CALLA) -- VIII 382, IX 409, 458, 466, XII 196

see also *Calla*

Calla virginica = *Peltandra virginica* (ARROW ARUM) -- VIII 118

Callitriche = *Callitriche* spp. (WATER-STARWORT)⁶⁰ -- VI 191, 205, 211, 225, VII 293, VIII 242, IX 104, XI 160, 192, XII 7, XIII 202

Callitriche verna = *Callitriche* spp. (WATER-STARWORT)⁶⁰ -- V 78, 119, 530, XII 133

Calluna vulgaris (HEATHER) -- see Ling

Calopogon = *Calopogon pulchellus* (GRASS PINK) -- IV 189, 217, 273, V 288, 295, 299, VI 375

Calopogon pulchellus (GRASS PINK) -- IV 138, 200

see also *Calopogon*, *Cymbidium*, *Cymbidium tuberosum*, Grass-pink

Caltha = *Caltha palustris* (MARSH MARIGOLD, COWSLIP) -- V 15, IX 330, XII 13, 132, XIII 218

__ (leaf) -- XII 5, 8

Caltha palustris (MARSH MARIGOLD, COWSLIP) -- II 216, III 475, X 359

__ (bud) -- VIII 233; __ (flower) -- XIII 217

see also *Caltha*, Cowslip

Calystegia spithamea = *Convolvulus spithameus* (UPRIGHT BINDWEED) -- XI 6

Campanula americana (TALL BELLFLOWER) -- V 324

Campanula aparinoides (BEDSTRAW BELLFLOWER) -- IV 187, V 311, VI 386, VIII 401

see also Bellflower (Slender), Bellflower (Small Climbing)

*Campanula crinoides*⁶¹ = *Campanula aparinoides* (BEDSTRAW BELLFLOWER) -- II 389

Campanula perfoliata = *Specularia perfoliata* (VENUS'S LOOKING-GLASS) -- II 274

Campanula rotundifolia (HAREBELL) -- IX 79

see also Harebell

Camphor = *Cinnamomum camphora* (CAMPHOR LAUREL) -- II 73

Campion (Bladder) = *Silene cucubalus* (BLADDER CAMPION) -- II 294

Campion (Moss) = *Silene acaulis* (MOSS CAMPION) -- XI 19

Canary Grass = *Phalaris arundinacea* (REED CANARY-GRASS) -- V 257, XII 205, 226, 269, 284, XIII 287, 291, 402, 404, 412

Cancer-root (One-flowered) = *Orobanche uniflora* (ONE-FLOWERED CANCER-ROOT) -- IV 97, 102

Candytuft = *Iberis amara* (CANDYTUFT) -- VIII 409

Cannabis = *Cannabis sativa* (HEMP) -- IX 80

Cannabis sativa (HEMP) -- II 390, IV 295, VI 420

see also Cannabis, Hemp

Capsella bursa-pastoris (SHEPHERD'S-PURSE) -- III 475

see also Shepherd's-purse

Caraway = *Carum carvi* (CARAWAY) -- VI 325, VII 404, VIII 362

Cardamine bulbosa (SPRING CRESS) -- see *Arabis rhomboidea*, *Cardamine rhomboidea*

Cardamine hirsuta = *Cardamine pensylvanica* (PENNSYLVANIA BITTER CRESS) -- IV 308, V 165, XII 126

Cardamine parviflora (SMALL-FLOWERED BITTER CRESS) -- see *Cardamine virginica*

Cardamine pensylvanica (PENNSYLVANIA BITTER CRESS) -- IV 56

see also *Cardamine hirsuta*, Cress (Bitter), Cress (Common)

Cardamine rhomboidea = *Cardamine bulbosa* (SPRING CRESS) -- XII 86, 199, XIII 292

Cardamine virginica = *Cardamine parviflora* (SMALL-FLOWERED BITTER CRESS) -- XII 164

Cardinal = *Lobelia cardinalis* (CARDINAL FLOWER) -- V 336, 339, 367, 388, 403, VI 429, IX 29

Cardinal-flower = *Lobelia cardinalis* (CARDINAL FLOWER) -- II 350, 410, 435, 502, IV 209, 250, 261, 285, 291, 305, 311, 327, 356, V 220, 314, 315, 377, VI 422, VII 14, 17, 29, X 25, 30, XI 108, 134, XII 271, 272, XIV 55

Cardoon = *Cynara cardunculus* (CARDOON) -- II 242

Carex (Carices) = *Carex* spp. (SEDGE) -- VII 417, VIII 423, IX 263, XII 7, 180, 197, XIII 176, 208, 293, 350, XIV 27

Carex alata (BROAD-WINGED SEDGE) -- see *Carex scoparia*, *Carex straminea*

Carex ampullacea var. *utriculata* = *Carex rostrata* var. *utriculata* (BEAKED SEDGE) -- XII 224

Carex angustior -- see *Carex stellulata*

Carex aquatilis (WATER SEDGE) -- X 409

Carex artitecta -- see *Carex varia*

Carex bigelowii (BIGELOW'S SEDGE) -- see *Carex rigida*

Carex brevior (SHORT FESCUE SEDGE) -- see *Carex scoparia*

Carex bromoides (BROME SEDGE) -- XIII 338

Carex brunnescens (BROWNISH SEDGE) -- see *Carex canescens*

Carex bullata (BUTTON SEDGE) -- VII 417, XII 205, XIII 341, 369, 402

Carex buxbaumii (BUXBAUM'S SEDGE) -- XII 204, XIII 293

Carex canescens (SILVERY SEDGE)⁶² -- XII 207, XIII 350

— (-like) -- XIV 27

Carex cephalantha (PRICKLY SEDGE) -- see *Carex stellulata*

Carex cephalophora (SOUTHERN SEDGE) -- VII 418, XIII 349

Carex communis (COLONIAL SEDGE) -- see *Carex varia*

Carex comosa (BRISTLY SEDGE) -- X 18, XIII 368

Carex conoidea (FIELD SEDGE) -- XIII 327

Carex convoluta (STAR SEDGE) -- see *Carex rosea*

Carex crinita (AWNED SEDGE) -- VII 409, X 505, XI 7, XII 199, 226, XIII 298, 402

Carex cumulata -- see *Carex scoparia*, *Carex straminea*

Carex debilis (STALKED SEDGE) -- X 493, XIII 69, 315, XIV 27

Carex deweyana (DEWEY'S SEDGE) -- XIV 18

Carex disperma (TWO-SEEDED SEDGE) -- see *Carex tenella*

Carex emmonsii (EMMON'S SEDGE) -- see *Carex novae-angliae*, *Carex varia*

Carex exilis (COAST SEDGE) -- VII 388

Carex festucacea -- see *Carex straminea*

Carex flava (YELLOW SEDGE) -- XIII 69, 358, 363

— (-like) -- X 508

Carex gracillima (SLENDER SEDGE) -- XIII 310

Carex incomperta -- see *Carex stellulata*

Carex intumescens (BLADDER SEDGE) -- XIII 338

Carex irrigua = *Carex paupercula* (BOG SEDGE) -- XI 46

Carex lagopodioides = *Carex tribuloides* (BLUNT BROOM-SEDGE)⁶³ -- XII 208, XIII 340

Carex lanuginosa (WOOLLY SEDGE) -- XII 199, 205, 207, 224, XIII 314, 402

Carex laxiculmis -- see *Carex laxiflora*

Carex laxiflora (LOOSE-FLOWERED SEDGE)⁶⁴

___ (-like) -- XII 180

Carex leptalea (DELICATE SEDGE) -- see *Carex polytrichoides*

Carex lupulina (HOP SEDGE) -- VIII 423, X 493, XI 172, XIII 367, 402

___ (-like) -- XI 46

Carex lurida (SALLOW SEDGE) -- see *Carex tentaculata*

Carex marginata = *Carex pensylvanica* (EARLY SEDGE) -- III 456

Carex monile = *Carex vesicaria* (INFLATED SEDGE) -- XII 205, XIII 341, 345, 402

Carex muhlenbergii (MUHLENBERG'S SEDGE) -- XII 207, 226, XIII 349

Carex nigra (BLACK SEDGE) -- see *Carex vulgaris*

Carex novae-angliae (NEW ENGLAND SEDGE)⁶⁵ -- XI 10

Carex pallescens (PALE SEDGE) -- XII 199, XIII 314, 327

Carex pauciflora (REFLEXED SEDGE) -- XI 46

Carex paupercula (BOG SEDGE) -- see *Carex irrigua*

Carex pensylvanica (EARLY SEDGE) -- III 475, VII 385, 418, VIII 242, XII 393, XIII 272, 294, 359, 360, 396, 402, XIV 122

___ (-like) -- VII 417

see also *Carex marginata*, Sedge (Early), Sedge-grass, Sedge-grass (Early)

Carex polytrichoides = *Carex leptalea* (DELICATE SEDGE) -- XII 208, XIII 314, 338

Carex retrorsa (HOOKED SEDGE)⁶⁶ -- VIII 423, XIII 327

Carex rigida = *Carex bigelowii* (BIGELOW'S SEDGE) -- XI 19

*Carex rosea*⁶⁷ -- XIII 310, 340

Carex rostrata (BEAKED SEDGE) -- see *Carex ampullacea* var. *utriculata*

Carex scabrata (ROUGH SEDGE) -- XIII 338

Carex scirpoidea (BULRUSH SEDGE) -- XI 47

Carex scoparia (BROOM SEDGE)⁶⁸ -- VII 406, X 493, 495, XII 204, XIII 340, 345, 367, 382, 399, 402, XIV 27

___ (-like) -- XI 10, 53, XIII 350

Carex siccata -- XIII 337, 360, 381, 402

*Carex stellulata*⁶⁹ -- X 493, 495, XII 204, 224, XIII 310, 345, 369, 402

Carex stipata (AWL-FRUITED SEDGE) -- VII 388, X 493, XII 207, XIII 293

Carex straminea (STRAW SEDGE)⁷⁰ -- XI 53, XIV 27

Carex stricta (TUSsock SEDGE) -- V 156, VII 385, XII 161, 204, 207, 224, XIII 286, 288, 293, 294, 298, 305, 345, 367, XIV 335

___ (tuft) -- XIII 287, 354

Carex tenella = *Carex disperma* (TWO-SEEDED SEDGE) -- XIII 338

Carex tentaculata = *Carex lurida* (SALLOW SEDGE) -- XIII 348, 361

Carex tribuloides (BLUNT BROOM SEDGE) -- see *Carex lagopodioides*

Carex trisperma (THREE-SEEDED SEDGE) -- XI 37, XIV 18, 27

Carex umbellata (SAND SEDGE) -- XIII 244

see also Sedge (Early), Sedge-grass

Carex varia = *Carex communis* (COLONIAL SEDGE)⁷¹ -- XIII 260, 292, 294

Carex vesicaria (INFLATED SEDGE) -- see *Carex monile*

Carex vestita (VELVET SEDGE) -- XIII 360

Carex vulgaris = *Carex nigra* (BLACK SEDGE) -- XIII 288, 293, 294, 305

Carices = plural of *Carex*

Carpet-weed = *Mollugo verticillata* (CARPETWEED) -- II 423, IV 172, V 287, VI 348

Carpinus = *Carpinus caroliniana* (AMERICAN HORNBEAM) -- V 138, 139, IX 366, 377, X 217

___ (catkin) -- IX 377; ___ (tree) -- IX 380

Carpinus americana = *Carpinus caroliniana* (AMERICAN HORNBEAM) -- IV 477

Carpinus caroliniana (AMERICAN HORNBEAM) -- see Beech (Swamp), *Carpinus*, *Carpinus americana*, Hornbeam

Carrion (berry) = *Smilax herbacea* (CARRION-FLOWER) -- V 391

Carrion-flower = *Smilax herbacea* (CARRION-FLOWER) -- IV 96, 111, 149, 150, 258, V 223, 274, 352, 404, 419, VI 301, 328, 361, VII 393, 421, X 496, XII 201, XIII 326

___ (berry) -- IV 348, VI 441, IX 60; ___ (fruit) -- XI 122

Carrot = *Daucus carota* (WILD CARROT, QUEEN ANNE'S LACE) -- II 70, 204, 278, IV 179, V 304, 382, VI 408, VIII 389, 411

___ (blossom) -- II 379; (seed) -- VIII 468

Carrot (Wild) = *Daucus carota* (WILD CARROT, QUEEN ANNE'S LACE) -- IX 139, XI 129

___ (umbel) -- IX 241

Carum = *Carum carvi* (CARAWAY) -- VIII 362

Carum carvi (CARAWAY) -- see Caraway

Carya spp. (HICKORY) -- see Hickory, Walnut

Carya amara = *Carya cordiformis* (BITTERNUT HICKORY)⁷² -- IV 361

Carya cordiformis (BITTERNUT HICKORY) -- see Bitternut, *Carya amara*

Carya glabra (PIGNUT HICKORY)⁷³ -- IX 404, X 210

see also Hickory (Pignut), Pignut

Carya ovalis (SWEET PIGNUT HICKORY) -- see Bitternut, *Carya glabra*, Hickory (Pignut), Pignut

Carya ovata (SHAGBARK HICKORY) -- see Shagbark

Carya tomentosa (MOCKERNUT HICKORY) -- IV 361, V 481, VII 420

see also Hickory (Mockernut), Mockernut

Cassandra = *Chamaedaphne calyculata* (LEATHERLEAF) -- XI 402, XII 133, 175, XIII 255, 318, 384

___ (hollow) -- XI 401; ___ (swamp) -- XIII 317

Cassandra calyculata = *Chamaedaphne calyculata* (LEATHERLEAF) -- III 414, XI 327

Cassandra (Dwarf) = *Chamaedaphne calyculata* (LEATHERLEAF) -- III 414, VI 299

Cassia = *Canella alba* (WILD CINNAMON) -- II 73

Cassia = *Cassia hebecarpa* (WILD SENNA) -- IX 4, 5, X 421

Cassia chamaecrista = *Cassia fasciculata* (PARTRIDGE PEA) -- X 14, XI 120

Cassia fasciculata (PARTRIDGE PEA) -- see *Cassia chamaecrista*

Cassia hebecarpa (WILD SENNA) -- see *Cassia*, *Cassia marilandica*

Cassia marilandica = *Cassia hebecarpa* (WILD SENNA) -- VIII 461

Cassiope hypnoides (MOSS PLANT) -- XI 21, 24, 60

Castanea dentata (AMERICAN CHESTNUT) -- see *Castanea vesca*, Chestnut

Castanea sativa (SPANISH CHESTNUT) -- see *Castanea vesca*, Chestnut (Spanish)

Castanea vesca = *Castanea dentata* (AMERICAN CHESTNUT) -- IV 195

Castanea vesca = *Castanea sativa* (SPANISH CHESTNUT) -- IX 415

Castilleja = *Castilleja coccinea* (PAINTED CUP) -- VI 323, VII 368

Castilleja coccinea (PAINTED CUP) -- V 127

see also Castilleja, Painted Cup

Castilleja septentrionalis (PALE PAINTED CUP) -- XI 24, 30, 60

Cat-briar = *Smilax* spp. (GREENBRIER)⁷⁴ -- V 493, VII 315, IX 135, 185, 321, 339, XII 198, 199, 252

Catch-fly = *Silene caroliniana* (WILD PINK) -- IV 69

Catch-fly (Common Garden) = *Silene armeria* (SWEET-WILLIAM CATCHFLY) -- II 278

Catch-fly (Sleepy) = *Silene antirrhina* (SLEEPY CATCHFLY) -- IV 98, V 220

Catch-fly (Snapdragon) = *Silene antirrhina* (SLEEPY CATCHFLY) -- IV 98, V 213, 325

Cat-mint = *Nepeta cataria* (CATNIP) -- IV 163

Catnip = *Nepeta cataria* (CATNIP) -- II 216, III 466, IV 32, V 308, 355, 450, VI 188, 211, 248, 378, VII 53, 293, VIII 60, 241, 293, 441, IX 114, 167, 198, XI 303, XII 340, 341, XIII 350

Cat-o'-nine-tails = *Typha latifolia* (COMMON CAT-TAIL) -- II 13, 335

Cat-tail = *Typha latifolia* (COMMON CAT-TAIL) -- III 76, 226, IV 306, VII 435, VIII 80, X 6, 163, XII 380, XIV 184

___ (down) -- V 43; ___ (head) -- XIII 342

Cat-tail (Common) = *Typha latifolia* (COMMON CAT-TAIL) -- XII 273

Ceanothus americanus (NEW JERSEY TEA) -- II 282, IV 178

see also Jersey Tea

Cedar = ⁷⁵ -- IV 296

Cedar = *Thuja occidentalis* (ARBOR VITAE) -- V 429, 430, 431

___ (bark) -- V 429, 458; ___ (post) -- IX 437; ___ (strip) -- IX 492

Cedar = *Chamaecyparis thyoides* (ATLANTIC WHITE CEDAR) -- V 502, VI 217, XIV 257

___ (lath) -- XII 37; ___ (post) -- V 502; ___ (shingle) -- i 457; ___ (swamp) -- II 367, VI 293, VIII 380, IX 400, 422; ___ (top) -- VIII 318; ___ (twig) -- VIII 370

Cedar = *Juniperus virginiana* (EASTERN RED CEDAR) -- I 449, II 266, 354, III 93, 94, 177, IV 355, V 173, 530, VII 457, VIII 166, IX 385, X 245, 246, XI 266, XII 402, XIII 247, XIV 186, 187, 207

___ (apple) -- V 173; ___ (berry) -- V 508, VIII 132, 135, XII 402; ___ (field) -- IX 305; ___ (hill) -- III 93, 372, V 382; ___ (spire) -- VI 63; ___ (woods) -- III 370, VIII 132

CEDAR (GROUND) = *Lycopodium tristachyum*

Cedar (Low) = *Juniperus communis* (GROUND JUNIPER) -- VI 10

Cedar (of Lebanon) = *Cedrus libani* (CEDAR OF LEBANON) -- II 200

Cedar (Red) = *Juniperus virginiana* (EASTERN RED CEDAR) -- II 200, 353, IV 69, V 160, 186, VI 210, 219, 221, 230, 278, 280, 293, 297, 301, VII 332, VIII 166, IX 139, 368, 489, 501, X 106, XII 133, 385, XIII 311, 335, XIV 134

___ (berry) -- VIII 132; ___ (grove) -- IX 418; ___ (leaf) -- V 482

Cedar (White) = *Chamaecyparis thyoides* (ATLANTIC WHITE CEDAR) -- i 458, II 200, V 160, 221, 502, VI 217, (221), 230, 277, (280), 293, 301, VII 330, 332, VIII 300, 311, 317, IX 344, 420, XI 258, XIV 134

___ (bark) -- VI 312; ___ (blossom) -- VI 217; ___ (railroad sleeper) -- XIV 256; ___ (split) -- XII 37; ___ (swamp) -- V 502, VII 90, VIII 301, XIV 259

Celandine = *Chelidonium majus* (CELANDINE) -- II 216, IV 70, 257, V 161, VI 188, 211, 278, VII 241, 267, 269, 273, VIII 235, X 421, XIII 290

___ (pollen) -- VII 383

Celandine (Common) = *Chelidonium majus* (CELANDINE) -- II 121

Celastrus = *Celastrus scandens* (CLIMBING BITTERSWEET) -- X 281

Celastrus scandens (CLIMBING BITTERSWEET) -- IX 410

see also Celastrus, Wax-work

Celtis = *Celtis occidentalis* (COMMON HACKBERRY) -- IV 33, V 160, 171, 259, 419, 450, VI 264, 279, 300, VII 381, VIII 401, 423, XI 242, XII 382, XIII 291, XIV 100

___ (berry) -- VII 50, XII 355, 388; ___ (shore) -- VII 388; ___ (tree) -- X 50; ___ (wood) -- X 281

Celtis crassifolia = *Celtis occidentalis* (COMMON HACKBERRY) -- X 9

Celtis occidentalis (COMMON HACKBERRY) -- V 170, IX 383

see also Celtis, *Celtis crassifolia*, Nettle-tree

Centaurea = *Centaurea* spp. (KNAPWEED)⁷⁶ -- VI 401, 407, VIII 401, 446, IX 57, XI 102

Centaurea nigra (BLACK KNAPWEED) -- V 314

see also Centaurea

Centaurella = *Bartonia virginica* (YELLOW BARTONIA) -- IV 292, V 348

Cephalanthus occidentalis (BUTTONBUSH) -- IV 228

see also Button-bush

Cerastium = *Cerastium* spp. (CHICKWEED) -- V 136, 151, VIII 351

Cerastium = *Cerastium nutans* (NODDING CHICKWEED) -- VIII 352, 360, 366

Cerastium = *Cerastium vulgatum* (COMMON MOUSE-EAR CHICKWEED) -- IV 80, 287, 381, 392, 415, V 367, VIII 324, XIII 159

— (flower) -- XIII 291

Cerastium arvense (FIELD CHICKWEED) -- VIII 382, XII 164

Cerastium (Common) = *Cerastium vulgatum* (COMMON MOUSE-EAR CHICKWEED) -- VIII 367

Cerastium nutans (NODDING CHICKWEED) -- VIII 360, 366

see also *Cerastium*

Cerastium (Star-flowered) = *Cerastium vulgatum* (COMMON MOUSE-EAR CHICKWEED) -- IV 159

*Cerastium viscosum*⁷⁷ = *Cerastium vulgatum* (COMMON MOUSE-EAR CHICKWEED) -- IV 302, 413, V 136, VI 248, VIII 352

Cerastium vulgatum (COMMON MOUSE-EAR CHICKWEED) -- see *Cerastium*, *Cerastium* (Common), *Cerastium* (Star-flowered), *Cerastium viscosum*

Cerasus = *Prunus* spp. (CHERRY) -- VII 356

Cerasus = *Prunus pensylvanica* (PIN CHERRY) -- II 375

Cerasus obovata = *Prunus virginiana* (CHOKE-CHERRY) -- IV 130

Cerasus pennsylvanica = *Prunus pensylvanica* (PIN CHERRY) -- IV 50, 130, V 136

Cerasus pumila = *Prunus susquehanae* (SAND CHERRY) -- II 12, IV 90, 239, V 119, VII 382, VIII 337, X 439

— (berry) -- VI 409

Cerasus serotina = *Prunus serotina* (BLACK CHERRY) -- IV 130

Cerasus virginiana = *Prunus virginiana* (CHOKE-CHERRY) -- IV 48, 130, 236, 291, V 333, 345

Ceratophyllum = *Ceratophyllum demersum* (COMMON HORNWORT) / *Ceratophyllum echinatum* (PRICKLY-FRUITED HORNWORT)⁷⁸ -- VIII 416, 431, 434

see also Hornwort

Ceratophyllum demersum (COMMON HORNWORT) -- see *Ceratophyllum*, *Ceratophyllum echinatum*

Ceratophyllum echinatum (PRICKLY-FRUITED HORNWORT)⁷⁸ -- VI 448

Cereus (Night-flowering) = *Selenicereus* spp. (NIGHT-FLOWERING CEREUS, MOON CACTUS) -- VIII 378

Cetraria = a lichen

Chamaecyparis thyoides (ATLANTIC WHITE CEDAR) -- see Alder (White), Cedar, Cedar (White)

Chamaedaphne calyculata (LEATHERLEAF) -- see Andromeda, *Andromeda calyculata*, Andromeda (Dwarf), Andromeda (Low), Andromeda (Small), Andromeda (Small-flowered), Andromeda (Water), Cassandra, *Cassandra calyculata*, Cassandra (Dwarf)

Checkerberry = *Mitchella repens* (PARTRIDGEBERRY) -- III 89

Checkerberry = *Gaultheria procumbens* (CHECKERBERRY, WINTERGREEN) -- II 104, 220, 224, 425, 427, III 121, 198, 225, IV 232, 304, V 173, 315, 423, 455, 521, VI 10, 12, 149, 301, VII 17, 238, VIII 60, 337, 412, IX 9, 107, 114, 315, 374, 435, 452, X 30, 281, 301, 306, 358, 462, 464, XI 327, 332, 337, XII 334, 381, 383, XIII 158, 336, XIV 26, 261, 263

__ (-flavored) -- VIII 429; __ (leaf) -- III 422, VII 305, X 280; __ (odor) -- IV 245, VIII 466; __ (scent) -- IV 447, XI 209, XIV 93; __ (shoot) -- VI 284, 322, VII 388; __ (tea) -- XII 455

__ (-ing) -- VI 155

Cheeses = *Malva neglecta* (COMMON MALLOW, CHEESES) -- XII 341, 342

Chelidonium = *Chelidonium majus* (CELANDINE) -- VIII 351

Chelidonium majus (CELANDINE) -- see Celandine, Celandine (Common), Chelidonium

Chelone = *Chelone glabra* (TURTLEHEAD) -- VI 416, VIII 464, IX 5, 35, XIII 51

Chelone glabra (TURTLEHEAD) -- II 423, IV 271, 295, V 372, 388, XI 141, XIV 18, 26

see also *Chelone*

Chenopodium = *Chenopodium* spp. (GOOSEFOOT) -- II 354, IV 250, 468, , VI 487, X 240, XI 180, XII 305, 306

__ (-like) -- VIII 387

*Chenopodium album*¹⁸ = *Chenopodium* spp. (GOOSEFOOT) -- IV 228, V 315, 410, VI 387, VIII 404, X 108, XI 227

see also Pigweed

Chenopodium botrys (JERUSALEM OAK) -- V 398, IX 77, XII 340

see also *Ambrosia botrys*, Jerusalem-oak

Chenopodium hybridum (MAPLE-LEAVED GOOSEFOOT) = IV 248, V 324, VI 415, IX 3

see also Goosefoot (Maple-leaved)

Chenopodium maritimum = *Suaeda maritima* (LOW SEA BLITE) / *Suaeda linearis* (TALL SEA BLITE)² -- XII 374

Cheronea = ²⁰ -- II 502

Cherry = *Prunus* spp. (CHERRY) -- i 443, II 281, 345, 360, 364, III 412, IV 21, 26, 50, 65, 66, 95, 126, 330, 347, V 116, 119, 123, 378, VI 234, 235, 248, 250, 282, 298, 330, 378, 383, VII 335, 357, 358, 368, 372, 398, VIII 333, 362, 432, 446, IX 31, 361, 446, X 57, 81, 404, 420, XI 130, 187, 240, 243, 261, XII 133, 288, 310, XIII 64, 283, 311, XIV 70, 71, 105, 121, 331

__ (blossom) -- VIII 340; __ (juice) -- VII 49; __ (leaf) -- II 112; __ (-like) -- V 125; __ (pectoral) -- IX 347; __ (scent) -- V 123; __ (shaving) -- X 192; __ (stone) -- III 306, VI 383, VIII 119, 411, XIII 40, XIV 70; __ (tree) -- II 318, IV 40, 44, 52, VI 320, 354, 384, VIII 306, IX 123, 178, X 3, 92, 447, XII 241, 309, XIII 249, XIV 310, 333; __ (twig) -- VI 132; __ (wood) -- IV 304, V 356

Cherry (Bird's) = *Prunus* spp. (CHERRY) -- XIV 70

Cherry (Black) = *Prunus serotina* (BLACK CHERRY) -- III 43, V 126, 160, 201, 204, 450, VI 231, 232, 234, 259, 298, 304, 312, 374, 429, 453, 489, VII 333, 357, VIII 166, 365, 366, 370, 465, IX 30, X 182, 422, XI 212, XII 309, 322, XIII 272, XIV 123, 192

___ (leaf) -- V 123, IX 386, XI 187; ___ (tree) -- VI 489, XIV 122

Cherry (Black Eagle) = *Prunus avium* var. *juliana* (SWEET CHERRY) -- II 364

Cherry (Choke-) = *Prunus virginiana* (CHOKE CHERRY)⁷⁹ -- II 126, IV 42, 61, 130, 236, 309, V 126, 160, 170, 179, 333, 345, 387, VI 232, 239, 279, 290, 298, 312, 327, 333, 403, 450, VII 339, 357, VIII 352, 446, IX 17, 135, X 450, XI 240, XIII 158, XIV 53

___ (leaf) -- VI 447, 473; ___ (pollen) -- VII 387

Cherry (Common Rum) = *Prunus serotina* (BLACK CHERRY) -- XII 199

Cherry (Dwarf) = *Prunus susquehanae* (SAND CHERRY) -- V (126), 160, VI 235, 298

Cherry (Dwarf Choke-) = *Prunus pensylvanica* (PIN CHERRY) -- IV 48, 130, 248

Cherry (English) = *Prunus avium* (SWEET CHERRY) / *Prunus cerasus* (SOUR CHERRY)⁸⁰ - VII 67, XI 262, 301, 309, XIV 71

___ (tree) -- XIII 63, 191, 311, XIV 173, 333

Cherry (Northern Red) = *Prunus pensylvanica* (PIN CHERRY)⁸¹ -- IV 100

Cherry (Northern Wild Red) = *Prunus pensylvanica* (PIN CHERRY) - X 411, XI 15

Cherry (Red) = *Prunus pensylvanica* (PIN CHERRY) -- II 375, V 448, VI 269, VII 356, X 411, 452, 463, 464, XI 30, 47, 59, 60, 61, XIII 289, 296, XIV 25, 28, 32, 53, 134, 333

___ (grove) -- VI 269; ___ (like) -- X 447

Cherry (Rum) = *Prunus serotina* (BLACK CHERRY) -- IV 248, 295, 297, V 345, 349

___ (bark) -- VI 372

Cherry (Sand) = *Prunus depressa* (SAND CHERRY) -- IX 499

Cherry (Sand) = *Prunus susquehanae* (SAND CHERRY) -- I 435, II 12, IV 68, 268, V 179, 353, VI 235, 263, 298, 317, 323, 374, VII 356, VIII 431, IX 377, XII 189, 257, 410, XIV 53

___ (flower) -- XII 190, XIII 300

Cherry (Wild) = *Prunus* spp. (CHERRY)⁸² -- II 201, IV 26, 75, 115, VI 310, VII 49, 331, 455, 512, XI 301, 347, XII 290, 309, XIII 113, XIV 128, 263

___ (tree) -- XII 314

Cherry (Wild Black) = *Prunus serotina* (BLACK CHERRY) -- V 138, VI 450, XII 309, XIV 332

___ (tree) -- VI 485

Cherry (Wild Red) = *Prunus pensylvanica* (PIN CHERRY) -- IV 21, 130, 224, V (119), (126), 136, 160, VI 221, 232, 235, 259, 282, 298, 388, VII 323, 330, 357, VIII 336, XII 410

___ (-like) - X 447

Cherry (Wild Rum) = *Prunus serotina* (BLACK CHERRY) -- XIV 173

Chestnut = *Castanea dentata* (AMERICAN CHESTNUT) -- i 190, I 425, II 85, 108, 142, 197, III 56, 63, 91, 92, 93, 349, IV 42, 217, 239, 379, 382, 386, 388, 391, 397, 400, 427, 432, 434, 462, 466, 475, 476, V 9, 30, 160, 243, 310, 441, 449, 450, VI 20, 256, 300, 306, 393, 441, 490, VII 46, 48, 49, 64, 65, 172, 369, 486, 497, 498, 514, VIII 271, 316, 409, 466, 467, IX 114, 119, 140, 147, 310, 447, X 29, 41, 69, 80, 84, 102, 119, 120, 122, 124, 125, 167, 173, 179, 250, 417, 441, XI 8, 53, 67, 152, 181, 222, 238, 248, 251, 257, 323, XII 150, 203, 216, 291, 369, 378, 379, XIII 51, 400, 406, XIV 84, 105, 112, 113, 121, 125, 133, 134, 135, 136, 137, 148, 154, 158, 164, 165, 177, 178, 185, 188, 190, 191, 201, 215, 225, 227, 240, 244, 245, 246, 248, 263, 271

___ (boat-post) -- VII 459; ___ (bough) -- X 65; ___ (bud) -- XIII 38; ___ (bur) -- IX 107, 115, 179, X 33, 64, 70, 100; ___ (clump) -- XI 194; ___ (flower) -- VI 410; ___ (fruit) -- XI 341; ___ (grove) -- IX 107, 339, X 124, XI 217, XIII 286, XIV 93; ___ (harvest) -- I 484; ___ (leaf) -- III 62, 423, IV 382, V 9, 137, VII 36, VIII 467, X 69, 166, 506, XI 138, XII 379; ___ (lot) -- VIII 316, XIV 175, 177; ___ (-opening frost) -- XII 375; ___ (plank) -- X 417; ___ (rail) -- VII 459, VIII 18, 173, XI 284, 300; ___ (shell) -- IX 121; ___ (sleeper) -- III 343; ___ (sprout) -- II 156, VI 110, XIV 177, 187, 251, 289; ___

(stem) -- III 129; __ (stump) -- IV 79, VIII 338, XIV 176, 177, 184, 189, 198, 254, 289, 290; __ (timber) -- XIV 137; __ (time) -- X 174; __ (-top) -- IV 395; __ (track) -- XIV 137; __ (tree) -- III 7, 12, IV 158, 449, VI 384, VII 168, IX 120, 122, 140, X 119, 124, 167, 180, XI 6, 248, XIV 136; __ (trunk) -- IX 339; __ (wood) -- V 7, 142, 447, IX 120, 140, X 166, 174, XI 201, XII 150, XIII 38, 51, XIV 138, 176, 188, 189, 244, 245

__ (-ing) -- IX 130; (a-) __ (-ing) -- IV 462, VII 520, IX 119, XIV 138

Chestnut (Spanish) = *Castanea sativa* (SPANISH CHESTNUT) -- II 363, IX 415

Chickweed = *Stellaria media* (COMMON CHICKWEED) -- II 451, III 201, 360, 419, 469, IV 68, 83, V 36, 367, VI 217, IX 115, 406, X 367, XII 132, 340, XIII 159, 180, 200

__ (-like) -- III 345, IV 192

Chickweed (Early) = *Stellaria media* (COMMON CHICKWEED) -- IV 80

Chickweed (Forked) = *Paronychia canadensis* (FORKED CHICKWEED) -- V 312, 350

CHICORY = *Cichorium intybus*

Chimaphila = *Chimaphila umbellata* (PIPSISSEWA)⁸³ -- IV 410, IX 483, XI 100

__ (leaf) -- XII 107

Chimaphila maculata (STRIPED WINTERGREEN) -- VI 125, VIII 425, IX 107, 138, X 24, XI 327

see also *Pyrola maculata*, *Pyrola* (Spotted), Wintergreen (Spotted)

Chimaphila umbellata (PIPSISSEWA)⁸⁴ -- IV 176, VI 12, 124, 346, VIII 404, 425, IX 472, XI 327, XII 454

__ (flower-bud) -- IX 478

see also *Chimaphila*, *Pipsissewa*, *Pyrola umbellata*, *Pyrola* (Umbelled), Wintergreen, Wintergreen (Umbelled)

China-berry Tree = *Melia azedarach* (CHINA-TREE) -- XIV 202

Chinquapin = *Quercus prinoides* (DWARF CHINQUAPIN OAK) -- VI 278, 287, 327, 331, 483, VII 18, 55, 56, 114, 378, XI 195, 238, 279, 394, XII 410, XIV 264

___ (pollen) -- VII 386

Chiogenes = *Gaultheria hispidula* (CREEPING SNOWBERRY) -- X 464, XI 36, 60, XIV 28

___ (tea) -- XI 31

Chiogenes hispidula = *Gaultheria hispidula* (CREEPING SNOWBERRY) -- IV 302, 303, X 463, XI 43

Choke-berry = *Pyrus melanocarpa* (BLACK CHOKEBERRY)/*Pyrus floribunda* (PURPLE CHOKEBERRY)⁸⁵ -- II 60, 424, III 430, IV 281, 282, 347, V 341, 356, 368, 419, VI 283, 472, VIII 432, IX 31, X 183, 196, 266, 282, 445, XI 10, 97, XII 290, 322, XIV 62, 262

___ (bush) -- IV 124, XIII 426; ___ (leaf) -- VI 282, 388; ___ (pollen) -- VII 382

Chokeberry (Black) = *Pyrus melanocarpa* (BLACK CHOKEBERRY) -- II (216), V 329, 342, 419, VI (308), 405, VII (378), IX 31, (308), X 26, XIV 18, 25, 28, 31, 32, 44

Chokeberry (Black-fruited) = *Pyrus melanocarpa* (BLACK CHOKEBERRY) -- VII (392)

Chokeberry (Red) = *Pyrus floribunda* (PURPLE CHOKEBERRY) -- II 216, IV 296, VI 308, 462, VII 378, IX 51, 380, X 30, XI 139, XII 310, 381

Chokeberry (Red-fruited) = *Pyrus floribunda* (PURPLE CHOKEBERRY) -- VII 392

Choke-berry (Scarlet) = *Pyrus floribunda* (PURPLE CHOKEBERRY) -- VII 511

CHOKE-CHERRY = *Prunus virginiana*

CHRISTMAS FERN = *Polystichum acrostichoides*

Chrysanthemum leucanthemum (OXEYE DAISY) -- see Whiteweed

Chrysopsis falcata (SICKLE-LEAVED GOLDEN-ASTER) -- V 421

Chrysosplenium = *Chrysosplenium americanum* (GOLDEN SAXIFRAGE) -- V 10, 107, VI 191, 211, IX 302, X 32, XII 6, 12, 132

___ (bed) -- V 155

Chrysosplenium americanum (GOLDEN SAXIFRAGE) -- IV 11, 49

see also *Chrysosplenium*, Saxifrage (Golden)

Cicely (Hairy Sweet) = *Osmorhiza claytoni* (SWEET CICELY) -- XI 6

Cichorium = *Cichorium intybus* (CHICORY) -- VI 378

Cichorium intybus (CHICORY) -- II 294, IV 225

see also *Cichorium*, Succory

Cicuta = *Cicuta* spp. (WATER-HEMLOCK) -- III 76, VIII 443

Cicuta americana = *Cicuta maculata* (WATER-HEMLOCK, SPOTTED COWBANE) -- II 311

Cicuta bulbifera (BULB-BEARING WATER-HEMLOCK) -- IV 295, V 338, 346, VI 414

see also *Cicuta bulbosa*

Cicuta bulbosa = *Cicuta bulbifera* (BULB-BEARING WATER-HEMLOCK) -- VIII 432

Cicuta maculata (WATER-HEMLOCK, SPOTTED COWBANE) -- II 227, 412, IV 187, 357, V 346, VI 377, X 18, XI 133, XII 364

see also *Cicuta americana*, Hemlock, Parsnip (Wild)

Cinna arundinacea (STOUT WOOD REED-GRASS) -- XI 142, XIV 5, 27

Cinnamon = *Cinnamomum zeylanicum* (CINNAMON) -- II 73

Cinnamon Fern = *Osmunda cinnamomea* (CINNAMON FERN) -- VI 231, 324, 406, 420, 445, 477, 479, VII 17, IX 395, X (48), 58, 104, 238, 417, 447, XI 118, 155, 189, (197), 200, 212, XII 201, 344, 346, 353, 363, 366, XIII 104, (292), (307), (331), 342

___ (pollen) -- XII 194; ___ (wool) -- XIII 342

Cinquefoil = *Potentilla* spp. (CINQUEFOIL) -- III 45, 88, 98, 462, IV 11, 42, 61, 75, 90, 108, V 154, 184, 229, 352, VI 248, VII 280, 425, VIII 60, 249, 309, IX 362, X 57, 415, XII 132, 133, XIII 284, XIV 122

___ (zone) -- XI 61

Cinquefoil (Common) = *Potentilla simplex* (COMMON CINQUEFOIL) -- II 270, X 189

Cinquefoil (Crowded) = *Potentilla arguta* (TALL CINQUEFOIL) -- V 263

Cinquefoil (Early) = *Potentilla canadensis* (DWARF CINQUEFOIL) -- IV 71, V 163, VI 232, 296, XIII 364, XIV 143

Cinquefoil (Hoary) = *Potentilla argentea* (SILVERY CINQUEFOIL) -- II 270, III 60

Cinquefoil (Marsh) = *Potentilla palustris* (MARSH CINQUEFOIL) -- IV 169, 171

Cinquefoil (Norway) = *Potentilla norvegica* (NORWAY CINQUEFOIL) -- II 396, 430, 431, III 45, 65, IV 356, V 245

Cinquefoil (Running) = *Potentilla canadensis* (DWARF CINQUEFOIL) -- II 270, III 66

Cinquefoil (Silvery) = *Potentilla argentea* (SILVERY CINQUEFOIL) -- IV 80, 382, 393, V 157, 407, 432, 439, 481, IX 18, XIII 364

Cinquefoil (White) = *Potentilla* spp. (CINQUEFOIL)⁸⁶ -- V 352

Circaea = *Circaea quadrisulcata* (LARGE ENCHANTER'S NIGHTSHADE)/*Circaea alpina* (DWARF ENCHANTER'S NIGHTSHADE)⁸⁷ -- VIII 382, 406, IX 66

see also Nightshade (Enchanter's)

Circaea alpina (DWARF ENCHANTER'S NIGHTSHADE)⁸⁷ -- IV 196, 219, V 315, VIII 403, 406, 466

see also *Circaea*, *Circaea* (Small), Enchanter's-nightshade (Alpine)

Circaea (Large) = *Circaea quadrisulcata* (LARGE ENCHANTER'S NIGHTSHADE) -- VI 397, VIII (466)

Circaea lutetiana = *Circaea quadrisulcata* (LARGE ENCHANTER'S NIGHTSHADE) -- IV 219, VI 397

Circaea quadrisulcata (LARGE ENCHANTER'S NIGHTSHADE) -- see *Circaea*, *Circaea* (Large), *Circaea lutetiana*

Circaea (Small) = *Circaea alpina* (DWARF ENCHANTER'S NIGHTSHADE)⁸⁷ -- V (311), VI 384, VIII 466

Cirsium spp. (THISTLE) -- see Thistle

Cirsium arvense (CANADA THISTLE) -- IV 193

see also Thistle (Canada)

Cirsium discolor (FIELD THISTLE) -- IX 64

— (thistle) -- XI 173

see also Thistle (Discolor)

Cirsium horridulum (YELLOW THISTLE) -- V 346, VI 367

see also Thistle (Common Yellow), Thistle (Yellow)

Cirsium lanceolatum = *Cirsium vulgare* (BULL THISTLE) -- IV 247, VIII 443, IX 64

Cirsium muticum (SWAMP THISTLE) -- IV 355, V 406, VII 37, IX 495, XII 315

see also Thistle (Swamp)

Cirsium pumilum (PASTURE THISTLE) -- IV 248, VII 433, XII 305

see also *Cnicus pumilus*, Thistle (Pasture)

Cirsium vulgare (BULL THISTLE) -- see *Cirsium lanceolatum*, Thistle (Lanceolate), Thistle (Spear), Thistle (Spear-leaved)

Cistus = *Helianthemum canadense* (ROCK-ROSE)/*Helianthemum bicknellii* (HOARY FROSTWEED)² -- II 233, IV 80, 88, 90, 110, 204, 257, 428, V 200, 342, 393, 483, 484, 519, VI 301, 325, 333, VII 410, VIII 376, XI 312, XII 335, 392

— (flower) -- IX 51; — (stem) -- IX 302

Citharexylum melanocardium = *Petitia domingensis* (FIDDLEWOOD)⁸⁸ -- III 221

Cladium = *Cladium mariscoides* (TWIG-RUSH) -- XII 216, XIII 39, 40

Cladium mariscoides (TWIG-RUSH) -- XI 139

see also Cladium

Cladonia = a lichen

CLEARWEED = *Pilea pumila*

Cleavers (Common) = *Galium aparine* (CLEAVERS) -- V 192

Cleavers (Pointed) = *Galium asprellum* (ROUGH BEDSTRAW) -- II 424, IV 210

Cleavers (Three-flowered) = *Galium triflorum* (SWEET-SCENTED BEDSTRAW) -- II 432

Clematis = *Clematis virginiana* (VIRGIN'S-BOWER) -- II 411, 446, IV 279, 300, V 316, 319, 395, VI 266, 298, 410, VII 43, IX 494, XI 10, XIV 92

___ (fruit) -- IV 361; ___ (seed) -- XII 395

Clematis virginiana (VIRGIN'S-BOWER) -- II 401, IV 276

see also Clematis, Virgin's-bower

Clethra = *Clethra alnifolia* (SWEET PEPPERBUSH) -- II 227, 278, 382, 407, 415, III 64, IV 304, V 160, 343, 449, VI 218, 268, 300, 413, 429, 439, 456, VII 95, 378, VIII 448, IX 9, X 96, XI 208, XII 325, XIII 361, XIV 53

___ (blossom) -- IV 278, V 367; ___ (bud) -- X 171; ___ (leaf) -- XI 197; ___ (seed) -- XIII 44

Clethra (Alder-leaved) = *Clethra alnifolia* (SWEET PEPPERBUSH) -- II 60

Clethra alnifolia (SWEET PEPPERBUSH) -- II 60, IV 268

see also Clethra

Climbing Fern = *Lygodium palmatum* (CLIMBING FERN) -- III 130, VI 261, 366, 438, 446, VII 10, VIII 431, XII 174, 363

Clinopodium vulgare = *Satureja vulgaris* (BASIL) -- IX 71, 80

Clintonia = *Clintonia borealis* (CLINTONIA) -- V 222, 329, 419, VI 316, VII 413, VIII 359, X 148, 464, 480, XI 23, 60, 61

___ (berry) -- V 348, 354, VI 406, IX 29; ___ (leaf) -- X 466; ___ (swamp) -- VII 406, X 58, XIV 173

Clintonia borealis (CLINTONIA) -- IV 95, V 218, IX 491, X 462, XI 36, XIV 26, 28, 32

see also Clintonia, Dog-berry, Dracaena

Clivers (Pointed) = *Galium asprellum* (ROUGH BEDSTRAW) -- II 424

CLOTBUR (BEACH) = *Xanthium echinatum*

Clover = *Trifolium* spp. (CLOVER) -- II 226, 264, 272, 320, III 447, IV 45, 94, 115, 118, 176, 189, 297, 393, 437, 477, V 56, 229, 255, 310, VI 211, 343, 396, VII 105, 429, VIII 249, 305, X 237, XIII 164, 350, 358, 399, 403, XIV 158

___ (days) -- IV 115; ___ (-field) -- IV 121, V 255; ___ (head) -- II 415, IV 175, VI 386; ___ (-like) -- IX 6; ___ (seed) -- II 271; ___ (wave) -- IV 52

Clover (Common White) = *Trifolium repens* (WHITE CLOVER) -- VIII 311

Clover (Fragrant) = *Melilotus alba* (WHITE SWEET CLOVER) -- IV 210

Clover (Pussy) = *Trifolium arvense* (RABBIT'S-FOOT CLOVER)

___ (heads) -- XIV 63

Clover (Rabbit's) = *Trifolium arvense* (RABBIT'S-FOOT CLOVER) -- X 80, XII 303, XIII 358

Clover (Rabbit's-foot) = *Trifolium arvense* (RABBIT'S-FOOT CLOVER) -- IV 165, XI 89

Clover (Red) = *Trifolium pratense* (RED CLOVER) -- II 269, 272, 286, IV 88, 257, 378, 406, V 170, 447, 477, 488, VI 308, VII 404, VIII 9, 411, IX 114, X 11, XIII 324

___ (blossom) -- IV 73, XIII 351

Clover (White) = *Trifolium repens* (WHITE CLOVER) -- II 271, 286, IV 81, 257, V 185, 235, 277, (447), VI 310, VII 404, VIII 357, XIII 333, 414

___ (tinge) -- II 269

Clover (Yellow) = *Trifolium agrarium* (HOP CLOVER) -- IV 70, 257, V 194, VI 288, VII 407, VIII 359

Clover (Yellow Hop) = *Trifolium agrarium* (HOP CLOVER) -- XIII 428

Club-moss = *Lycopodium* spp. (CLUB-MOSS) -- VI 12, XIV 123

Club-moss (Flat) = *Lycopodium complanatum* (RUNNING PINE)/*Lycopodium tristachyum* (GROUND CEDAR)² -- VI 12

Club-moss (Shining) = *Lycopodium lucidulum* (SHINING CLUB-MOSS) -- V 416

Club-rush = *Scirpus* spp. (BULRUSH) -- IV 386

Cnicus pumilus = *Cirsium pumilum* (PASTURE THISTLE) -- II 389, IV 248

Cockles = ⁸⁹ -- i 253, I 200, 417

Cockle-bur (Sea) = *Xanthium echinatum* (BEACH CLOTBUR) -- VII 434

Cohush = *Actaea pachypoda* (WHITE BANEBERRY, DOLL'S EYES) -- II 434

___ (berry) -- IV 285, V 355, 366, IX 51, 89

Cohush (Red) = *Actaea rubra* (RED BANEBERRY) -- IX 461, X 12

___ (berry) -- IX 409, 498, X 8

Cohush (White) = *Actaea pachypoda* (WHITE BANEBERRY, DOLL'S EYES) -- IV 76

___ (berry) -- IX 498, X 38, XII 303

COLICROOT = *Aletris farinosa*

Collinsonia = *Collinsonia canadensis* (HORSE BALM) -- V 355, 368, X 9, 19

Collinsonia canadensis (HORSE BALM) -- II 434, IV 295

see also *Collinsonia*

Coltsfoot = *Tussilago farfara* (COLTSFOOT) -- IX 69

Columbine = *Aquilegia canadensis* (WILD COLUMBINE) -- i 212, II 104, III 298, 391, 424, 473, 476, IV 27, 57, 108, 163, 235, 257, V 24, 118, 127, 154, 206, 228, 362, VI 189, 205, 211, 216, 232, 248, 347, 386, VII 293, 342, 374, VIII 60, 241, 293, IX 388, X 358, 377, XII 132, XIII 256, 261

___ (leaf) -- VII 280, 295, 519

Columbine (Garden) = *Aquilegia vulgaris* (GARDEN COLUMBINE) -- X 494

Columbine (Yellow) = *Aquilegia canadensis* forma *flaviflora* (WILD COLUMBINE) -- VIII 341

Comandra = *Comandra umbellata* (BASTARD TOADFLAX) -- VI 289, X 440, XIII 313

___ (leaf) -- V 155; ___ (pollen) -- VII 388; ___ (seed) -- V 283

Comandra umbellata (BASTARD TOADFLAX) -- VIII 359, XI 8

see also Comandra, Thesium, *Thesium umbellatum*, Thesium (Umbelled)

Comara palustris = *Potentilla palustris* (MARSH CINQUEFOIL) -- IX 469, XII 209

Comarum palustre = *Potentilla palustris* (MARSH CINQUEFOIL) -- IV 169, V 260, VI 345

Comfrey (Common) = *Symphytum officinale* (COMMON COMFREY) -- IV 302

COMFREY (WILD) = *Cynoglossum virginianum*

Compositae (COMPOSITE FAMILY) -- V 159

Comptonia = *Comptonia peregrina* (SWEET-FERN) -- V 116, IX 107, X 395, XIII 260

Comptonia peregrina (SWEET-FERN) -- see Comptonia, Sweet-fern

Cone-flower = *Rudbeckia serotina* (BLACK-EYED SUSAN) -- VI 383, XIII 69

Cone-flower (Tall) = *Rudbeckia laciniata* (TALL CONEFLOWER) -- IV 302

Coniferae = *Pinaceae* (PINE FAMILY) -- XI 327

Convallaria (leaf) = ⁹⁰ -- IV 95

Convallaria⁴⁶ = *Streptopus* spp. (TWISTED STALK) -- IV 303

___ (berry) -- IV 302

Convallaria = *Maianthemum canadense* (CANADA MAYFLOWER) -- IV 307, VI 421, 430

___ (berry) -- IX 39

Convallaria bifolia = *Maianthemum canadense* (CANADA MAYFLOWER) -- II 266, IV 27, 73

Convallaria (Compound-racemed) = *Smilacina racemosa* (FALSE SOLOMON'S SEAL) -- IV 96

Convallaria (Large)⁴⁶ = *Streptopus* spp. (TWISTED STALK) -- IV 310

Convallaria majalis (LILY-OF-THE-VALLEY) -- see Lily-of-the-valley

Convallaria multiflora = *Polygonatum pubescens* (HAIRY SOLOMON'S SEAL) -- II 440

Convallaria (Two-leaved) = *Maianthemum canadense* (CANADA MAYFLOWER) -- V 330, IX 51

___ (berry) -- IV 352

Convolvulus arvensis (FIELD BINDWEED) -- II 366

Convolvulus sepium (HEDGE BINDWEED) -- II 274, IV 142

see also Bindweed, Morning-glory, Morning-glory (Red), Morning-glory (White), Morning-glory (Wild)

Convolvulus spithameus (UPRIGHT BINDWEED) -- see *Calystegia spithamea*

Conyza = *Seriocarpus asteroides* (TOOTHED WHITE-TOPPED ASTER)

___ (-like Aster) -- V 319

Coptis groenlandica (GOLDTHREAD) -- see Goldthread

Corallorhiza = *Corallorhiza maculata* (LARGE CORALROOT) -- IV 328, 334, VI 415

Corallorhiza maculata (LARGE CORALROOT) -- see *Corallorhiza*, *Corallorhiza multiflora*, *Corallorhiza odontorhiza*, Coralroot

Corallorhiza multiflora = *Corallorhiza maculata* (LARGE CORALROOT) -- IV 305, 334, V 343, X 8, 12, 18, 38

Corallorhiza odontorhiza (LATE CORALROOT)⁹¹ -- IV 296, 305, VIII 118

Coralroot = *Corallorhiza maculata* (LARGE CORALROOT) -- IV 296, 305, V 343

Corema = *Corema conradii* (BROOM CROWBERRY) -- XI 18

Corema conradii (BROOM CROWBERRY) -- IV 69, VII 435, IX 332

see also *Corema*, Crowberry

Coreopsis = *Coreopsis rosea* (ROSE COREOPSIS) -- V 384, VI 423, VII 41

Coreopsis rosea (ROSE COREOPSIS) -- V 383, X 9

see also *Coreopsis*, *Coreopsis* (Rose-flowered)

Coreopsis (Rose-flowered) = *Coreopsis rosea* (ROSE COREOPSIS) -- V 384

Corn (Indian) = *Zea mays* (MAIZE, CORN) -- VI 303

Corn-cockle = *Agrostemma githago* (CORN COCKLE) -- VII 443, VIII 386

Cornel = *Cornus* spp. (DOGWOOD) -- I 435, II 60, 206, 494, III 371, 424, 448, IV 96, 97, 150, 154, 169, 173, 258, 307, 316, V 4, 76, 126, 152, 160, 288, 417, 419, VI 91, 252, 253, 256, 257, 264, 282, VII 235, IX 409, X 25, 442, 443, XI 71, 98, XII 291, 316, 355, XIII 158

___ (berry) -- IV 299, IX 59, XII 300; ___ (leaf) -- XII 291; ___ (-like) -- V 102

Cornel (Alternate) = *Cornus alternifolia* (ALTERNATE-LEAVED DOGWOOD) -- V 323, 482, VI (256), 319, IX 71, X 37, XII 322, 380, 402

___ (berry) -- V 398, VI 411; ___ (tree) -- VI 416

Cornel (Alternate-leaved) = *Cornus alternifolia* (ALTERNATE-LEAVED DOGWOOD) -- IV 154, 271, 285, (316), 323

Cornel (Dwarf) = *Cornus canadensis* (BUNCHBERRY) -- IV 73, 81, VI (282), X 26, XI 337

___ (berry) -- IV 316; ___ (leaf) -- X 100

Cornel (Large) = *Cornus canadensis* (BUNCHBERRY) -- V 102

Cornel (Panicked) = *Cornus racemosa* (GRAY DOGWOOD, PANICLED DOGWOOD) -- II 274, IV (60), 117, 130, (169), V 275, 288, (419), VI (256), 299, 346, 358, 453, VII 56, 58, IX 60, XI 347, XII 322, XIII 338

___ (berry) -- IV 310, V 372, IX 30

Cornel (Red-osier) = *Cornus stolonifera* (RED-OSIER DOGWOOD) -- II 494, IV 311, (316), (323)

___ (-like) -- XI 181

Cornel (Red-stemmed) = *Cornus stolonifera* (RED-OSIER DOGWOOD) -- II 69, IV 261, V 127

___ (berry) -- IV 305

Cornel (River) = *Cornus stolonifera* (RED-OSIER DOGWOOD) -- IV 323

___ (berry) -- V 372, 403, 423

Cornel (Round-leaved) = *Cornus rugosa* (ROUND-LEAVED DOGWOOD) -- IV 88, 130, 285, (316), V 243, (256), VI 264, (282), 299, 343, VII 369, XI 291

___ (berry) -- X 32; ___ (fruit) -- XI 129; ___ (leafet) -- XIII 299

Cornel (Silky) = *Cornus amomum* (SILKY DOGWOOD)⁹² -- II 494, IV (311), 318, (323), VI 299, VIII 13, XI 259, 332, XII 316

___ (bush) -- VII 409; ___ (leaf) -- VI 429, VII 380

Cornel (Small) = *Cornus canadensis* (BUNCHBERRY) -- IV 340, XI 205

Cornel (White) = *Cornus stolonifera* (RED OSIER DOGWOOD)⁹³ -- IV 117

Cornel (White-berried) = *Cornus stolonifera* (RED-OSIER DOGWOOD)⁹⁴ -- IV (60)

Corn-spurry = *Spergula arvensis* (CORN SPURREY) -- III 58, IV 237, 385

Cornus spp. (DOGWOOD) -- see Cornel, Osier

Cornus alba = *Cornus stolonifera* (RED-OSIER DOGWOOD)⁹⁴ -- II 60, XII 291

Cornus alternifolia (ALTERNATE-LEAVED DOGWOOD) -- IV 97, V 219, VI 264, 299, VII 368, VIII 373, XII 199

___ (berry) -- VIII 442

see also Cornel (Alternate), Cornel (Alternate-leaved)

Cornus amomum (SILKY DOGWOOD) -- see Cornel (Silky), *Cornus sericea*

Cornus canadensis (BUNCHBERRY) -- V 102, 172, VI 284, VII 399, X 447, 462, 464, XI 16, 36, 60, 322

see also Bunchberry, Cornel (Dwarf)

Cornus circinata = *Cornus rugosa* (ROUND-LEAVED DOGWOOD) -- IV 97, 353, VIII 466, X 24

___ (berry) -- IX 63

Cornus florida (FLOWERING DOGWOOD) -- III 411, V 163, 172, 192, VI 256, 264, 282, 286, 301, 489, VII 387, VIII 352, IX 137, 139, 371, X 422, 442, 448, 450, 480, 481, XI 206, 288, 291, 322, XIII 158

___ (bud) -- X 448; ___ (flower-bud) -- X 379; ___ (involucre) -- X 445, XII 187

see also Dogwood, Dogwood (Flowering)

Cornus obliqua -- see *Cornus amomum*⁹²

Cornus paniculata = *Cornus racemosa* (GRAY DOGWOOD, PANICLED DOGWOOD) -- II 60, IV 97, V 387, VII 368, XII 315, 319

Cornus racemosa (GRAY DOGWOOD, PANICLED DOGWOOD) -- see Cornel (Panicled), *Cornus alba*, *Cornus paniculata*

Cornus rugosa (ROUND-LEAVED DOGWOOD) -- see Cornel (Round-leaved), *Cornus circinata*

Cornus sanguinea (RED DOGWOOD) -- IX 415

Cornus sericea = *Cornus amomum* (SILKY DOGWOOD)⁹² -- II 494, IV 97, 353, 354, V 288, 298, VI 252, 255, (256), 377, VII 387, 421, VIII 430, IX 33, 48, 60, 66, 85, 415, X 60, 236, 338, XI 78, 202, 206, 217, 250, 288, 297, 301, 309, 322, XII 315, 316, 381

___ (berry) -- VII 3, X 24, XI 133, XII 292; ___ (bush) -- VII 52, XI 256; ___ (cyme) -- XII 319

Cornus stolonifera (RED-OSIER DOGWOOD) -- II 494, IV 97, 173, 353, 354, V 298, IX 66, 79

see also Cornel (Red-osier), Cornel (Red-stemmed), Cornel (River), Cornel (White), *Cornus alba*, Osier, Osier (Red)

Corydalis = *Corydalis sempervirens* (PALE CORYDALIS) -- II 217, IX 88, 99, 111, 476, X 448, XII 189

___ (sprig) -- IX 373

Corydalis glauca = *Corydalis sempervirens* (PALE CORYDALIS) -- II 430, V 225, IX 76, 87, 355

Corydalis sempervirens (PALE CORYDALIS) -- see *Corydalis*, *Corydalis glauca*

Corydalis (Squirrel-corn) = *Dicentra canadensis* (SQUIRREL CORN) -- XI 173

Corylus = *Corylus* spp. (HAZELNUT)⁹⁵ -- III 475

see also Filbert, Hazel, Hazelnut

Corylus americana (AMERICAN HAZELNUT) -- see *Corylus*, Hazel (Common), Hazelnut (Shaggy)

Corylus cornuta (BEAKED HAZELNUT) -- see *Corylus rostrata*, Hazel (Beaked), Hazelnut (Beaked)

Corylus rostrata = *Corylus cornuta* (BEAKED HAZELNUT) III 475, IV 208, VIII 413

Cotton-grass = *Eriophorum* spp. (COTTON-GRASS) -- II 278, IV 81, 143, 231, 257, V 197, 311, 349, VI 317, VII 405, VIII 362, 423, X 199, XIV 18, 31, 45

___ (head) -- VIII 124

Cotton-grass (Early) = *Eriophorum* spp. (COTTON-GRASS) -- VI 391

Cotton-grass (Large) = *Eriophorum* spp. (COTTON-GRASS) -- IV 459

Cotton-grass (Narrow-leaved) = *Eriophorum tenellum* (ROUGH COTTON-GRASS) -- IV 77

Cotton-grass (Red) = *Scirpus* spp. (WOOL-GRASS) -- IV 386

Cotton-grass (Rusty) = *Eriophorum virginicum* (TAWNY COTTON-GRASS) -- VI 412, 414, 468, VIII 420, XIII 423

Cotton-grass (Virginian) = *Eriophorum virginicum* (TAWNY COTTON-GRASS)⁹⁶ -- IV 386

Cotton-grass (White) = *Eriophorum* spp. (COTTON-GRASS) -- VI 405

Cotton-tree = ⁹⁷ -- i 353, I 305

COTTONWOOD (EASTERN) = *Populus deltoides*

COWBANE (SPOTTED) = *Cicuta maculata*

Cowberry = *Vaccinium vitis-idaea* (MOUNTAIN CRANBERRY) -- II 224

Cow-herb = *Saponaria vaccaria* (COW-HERB) -- V 338

Cow-parsnip = *Heracleum maximum* (COW PARSNIP) -- XI 28

Cowslip = *Caltha palustris* (MARSH MARIGOLD, COWSLIP) -- II 181, 216, III 252, 362, 371, 400, 467, 468, 479, 480, IV 16, 27, 40, 48, 53, 54, V 15, 85, 98, 105, 154, 184, VI 191, 199, 211, 230, 238, 239, 242, VII 269, 272, 303, 304, 321, VIII 239, 240, 244, 248, 259, 260, 261, 280, IX 302, XII 12, 17, 48, 74, XIII 176, 232, 338, XIV 335

___ (bud) -- VII 305; ___ (green) -- VIII 276; ___ (leaf) -- V 49, XIII 176, 198; ___ (place) -- VIII 304; ___ (meadow) -- I 459

Cow-wheat = *Melampyrum lineare* (COWWHEAT) -- II 282, 375, 396, 415, IV 121, 258, 340, V 238, VI 372, VIII 380, XII 202, XIV 25, 28

___ (blossom) -- IV 328

Crab-apple = *Pyrus* spp. (CRABAPPLE) -- II 211, XIV 303

Crab Grass = *Digitaria sanguinalis* (HAIRY CRAB-GRASS) -- XI 145, XII 313, 314, 353

Cranberry = *Vaccinium vitis-idaea* (MOUNTAIN CRANBERRY) -- X 457, XIV 16

Cranberry = *Vaccinium macrocarpon* (LARGE CRANBERRY)/*Vaccinium oxycoccus* (SMALL CRANBERRY) -- i 88, 117, I 60, 128, II 13, 68, 97, 105, 108, 121, 154, 277, 396, 477, III 6, 377, 383, 397, 424, 429, 438, IV 34, 36, 200, 269, 297, 349, 477, V 39, 275, 342, 356, 403, 419, 421, 464, 479, 485, 486, 508, 510, 511, 512, 514, VI 9, 174, 244, 300, 305, 350, 396, 412, 468, 469, 481, 486, VII 15, 34, 38, 72, 95, 256, 286, 358, 382, 432, 458, VIII 253, 261, 402, IX 18, 35, 37, 38, 44, 48, 55, 86, 97, 315, 501, X 130, 140, 146, 266, XI 135, 158, 183, XII 58, 195, 291, 355, 382, 383, 396, XIII 138, 163, 179, 226, 228, XIV 54, 149

___ (bed) -- V 450; ___ (bog) -- IX 43; ___ (cheek) -- VI 433; ___ (experiment) -- II 361; ___ (juice) -- VII 139, XIII 140; ___ (leaf) -- V 486, 511, VII 422, IX 334, XIII 42, 48, 132, 346; ___ (meadow) -- V 508, 512, VI 190, VII 12, 98, 253, 284, 291, VIII 57, 172, XI 197, 225, XIII 101; ___ (patch) -- IV 151, IX 432, XII 295; ___ (picker) -- IX 43, X 44; ___ (rake) -- IX 44; ___ (raker) -- V 408; ___ (raking) -- VII 14; ___ (season) -- VII 38; ___ (vine) -- i 129, I 141, II 166, III 396, 429, IV 211, V 67, VI 332, VII 231, 312, VIII 53, 123, 171, IX 432, X 130, 157, XI 290, 311, XII 454

___ (-ing) -- V 509, 510, IX 37, 40; (α-) ___(-ing) -- IX 35, 44

Cranberry (Common) = *Vaccinium macrocarpon* (LARGE CRANBERRY) -- VI (468), VIII 402, IX 38, (39), XI 327, XII 382, XIII 423, XIV 14

Cranberry (European) = *Vaccinium oxycoccus* (SMALL CRANBERRY) -- IX 35, 465, XI 327, XIII 313

Cranberry (Large) = *Vaccinium macrocarpon* (LARGE CRANBERRY) -- IX 39

Cranberry (Mountain) = *Vaccinium vitis-idaea* (MOUNTAIN CRANBERRY) -- II 54, 224, IV 347, V 179, VI 157, VIII 437, X 457, 462, 476, XI 18, 19, 343, XIV 14, 25, 28, 32

Cranberry (Small) = *Vaccinium oxycoccus* (SMALL CRANBERRY) -- VIII 402, IX 35, XII 317

Crane's-bill = *Geranium maculatum* (WILD GERANIUM) -- IV 107

Crataegus = *Crataegus* spp. (HAWTHORN) -- V 166, VII 403, VIII 352, 362, IX 399

see also Haw, Hawthorn, Thorn

*Crataegus coccinea*⁹⁸ = *Crataegus* spp. (HAWTHORN) -- II 216, IV 307, V 177, 224, IX 408

Crataegus (Common)⁹⁸ = *Crataegus* spp. (HAWTHORN) -- VIII 358

Crataegus crus-galli (COCKSPUR THORN)⁹⁹ -- V 192, 200, VI 333, 449, VII 385, VIII 375, IX 90, 407, 408

see also Thorn (Cockspur)

Crataegus macrosperma (VARIABLE THORN) -- see *Crataegus coccinea*, *Crataegus* (Common), Thorn (Common), Thorn (Scarlet), Thorn (Scarlet-fruited)

Crataegus monogyna (SINGLESEED HAWTHORN) -- see *Crataegus oxyacantha*

Crataegus oxyacantha (ENGLISH HAWTHORN)¹⁰⁰ -- VII 420, IX 414

see also Hawthorn (English)

Crataegus prunifolius (BROAD-LEAVED COCKSPUR THORN) -- IX 415

Creeper (Common) = *Parthenocissus quinquefolia* (VIRGINIA CREEPER)/*Parthenocissus inserta* (THICKET CREEPER)² -- II 501

Cress = *Arabis* spp. (ROCK CRESS) -- VI 205

Cress = *Barbarea vulgaris* (COMMON WINTER CRESS) -- V 176, 177

Cress = *Cardamine* spp. (BITTER CRESS) -- III 128, 400, IV 358, 475, V 10, 13, VI 90, 211, 241, VII 256, VIII 213, 240, X 453, XII 6, 17, 126, XIII 38

Cress (American Water) = *Cardamine pensylvanica* (PENNSYLVANIA BITTER CRESS) -- IV 56

Cress (Amphibious) = *Rorippa islandica* (MARSH YELLOW CRESS) -- IV 209

Cress (Bitter) = *Cardamine pensylvanica* (PENNSYLVANIA BITTER CRESS) -- XII 12, XIII 260

Cress (Brook) = *Rorippa islandica* (MARSH YELLOW CRESS) -- VIII 421

Cress (Common) = *Cardamine pensylvanica* (PENNSYLVANIA BITTER CRESS) -- V 9, VII 407, XII 17, XIII 217, 298, 353

Cress (Common Brook) = *Nasturtium officinale* (WATER CRESS) -- XII 164

Cress (Common Winter) = *Barbarea vulgaris* (COMMON WINTER CRESS) -- V 159

Cress (English) = *Nasturtium officinale* (WATER CRESS) -- XII 223, XIII 293, XIV 220

Cress (English Brook) = *Nasturtium officinale* (WATER CRESS) -- XIII 165, 294

Cress (Hairy) = *Rorippa islandica* (MARSH YELLOW CRESS) -- VI 351

Cress (Rock) = *Barbarea vulgaris* (COMMON WINTER CRESS)¹⁰¹ -- V 177

CRESS (SPRING) = *Cardamine bulbosa*

CRESTED FERN = *Dryopteris cristata*

Critchicrotches = *Acorus calamus* (SWEET FLAG, CALAMUS) -- IV 74, 92, 240, V 155, VI 307, VII 387, XIII 309

Crotalaria = *Crotalaria sagittalis* (RATTLEBOX) -- V 340, VI 405, VIII 438, IX 99, XI 193, 194

— (pod) -- IV 349, V 325, VI 481

Crotalaria sagittalis (RATTLEBOX) -- IV 348

see also *Crotalaria*, Rattle-pod

Crowberry = *Corema conradii* (BROOM CROWBERRY) -- IX 450

Crowberry (Black) = *Empetrum nigrum* (BLACK CROWBERRY)/*Empetrum atropurpureum* (PURPLE CROWBERRY)² -- IV 69

Crowberry (Broom) = *Corema conradii* (BROOM CROWBERRY) -- IV 69, VII 435

Crowfoot = *Ranunculus* spp. (CROWFOOT, BUTTERCUP) -- II 180, III 476, IV 20, 65, 460, V 107, 227, VI 157, 195, 216, 229, 238, 248, VII 105, 329, 342, VIII 241, 242, 261, 293, IX 266, X 358, 365, XII 132, 403, XIII 184, 247

___ (blossom) -- VI 189; ___ (bud) -- IV 461

Crowfoot (Bristly) = *Ranunculus pensylvanicus* (BRISTLY CROWFOOT) -- IX 77

Crowfoot (Bulbous) = *Ranunculus bulbosus* (BULBOUS BUTTERCUP) -- IV 55

Crowfoot (Early) = *Ranunculus fascicularis* (EARLY BUTTERCUP) -- IV 485, VII 293, IX 283, XI 334,

Crowfoot (Filiform) = *Ranunculus reptans* (CREEPING SPEARWORT) -- II 434

Crowfoot (Hooked) = *Ranunculus recurvatus* (HOOKED CROWFOOT) -- IV 73

Crowfoot (Tall) = *Ranunculus acris* (TALL BUTTERCUP) -- II 266, 415, IV 73, 74, 257, IX 114

Crypta (Small) = *Elatine minima* (SMALL WATERWORT) -- IV 320, V 314

Cryptotaenia canadensis (HONEWORT) -- XI 5

Cucubalus behen = *Silene cucubalus* (BLADDER CAMPION) -- II 294

Cucumber-root = *Medeola virginiana* (INDIAN CUCUMBER ROOT) -- II 69, 427, IV 71, 359

Cudweed = *Gnaphalium uliginosum* (LOW CUDWEED) -- IV 232, 278

Cudweed (Low) = *Gnaphalium uliginosum* (LOW CUDWEED) -- V 432

Cudweed (Purplish) = *Gnaphalium purpureum* (PURPLISH CUDWEED)¹⁰² -- III 473

Cupressus thyoides = *Chamaecyparis thyoides* (ATLANTIC WHITE CEDAR) -- II 200

Currant = *Ribes* spp. (CURRANT) -- II 221, IV 46, 50, 66, 347, 463, V 116, 119, 160, 350, VI 225, 249, VII 133, 330, 333, VIII 324, 416, X 476, XI 264, XII 259, 315, XIII 237, 274, 362, 387

___ (-acid) -- X 476; ___ (blossom) -- VI 246; ___ (bush) -- VII 504, VIII 125, IX 155, XII 142; ___ (leaf) -- V 386; ___ (row) -- VII 504, VIII 12; ___ (-top) -- VIII 91

Currant (Black) = *Ribes americanum* (AMERICAN BLACK CURRANT) -- VI 298, VII 328, 330, (357), 368, VIII 342, IX 368, X 431

Currant (Fetid) = *Ribes glandulosum* (SKUNK CURRANT) -- X 476, XI 6, 31, XIV 18, 25, 28, 32

Currant (Mississippi)¹⁰³ = *Ribes odoratum* (BUFFALO CURRANT) -- V 106

Currant (Missouri) = *Ribes odoratum* (BUFFALO CURRANT) -- III 486, V 89, 119, VI 210, 211, VII 357, 378, X 396, XIII 239, 277

Currant (Red) = *Ribes sativum* (GARDEN RED CURRANT) -- VI 232, 298, VII (328), 357, 362

Currant (Wild Black) = *Ribes americanum* (AMERICAN BLACK CURRANT) -- V 127, 377

Cuscuta = *Cuscuta gronovii* (COMMON DODDER) -- VI 413, XII 305

Cuscuta americana = *Cuscuta gronovii* (COMMON DODDER) -- II 490, IV 291

Cuscuta gronovii (COMMON DODDER) -- see Cuscuta, *Cuscuta americana*, Dodder

Cut-grass = *Leersia oryzoides* (RICE CUT-GRASS)¹⁰⁴ -- I 138, IV 151, V 363, 385, VI 481, VIII 241, 439, IX 263, X 130, XI 123, XII 292, 295, XIV 51, 55, 62

___ (-like leaves) -- VII 385

Cut-grass (Rice) = *Leersia oryzoides* (RICE CUT-GRASS) -- XI 141

Cymbidium = *Calopogon pulchellus* (GRASS PINK) -- IV 138, V 311, VI 396, IX 475, X 510

Cymbidium tuberosum = *Calopogon pulchellus* (GRASS PINK) -- II 278

Cynara cardunculus (CARDOON) -- II 242

Cynoglossum = *Cynoglossum officinale* (HOUND'S TONGUE) -- IX 4

Cynoglossum morisoni = *Hackelia virginiana* (VIRGINIA STICKSEED) -- V 333, VIII 448

Cynoglossum officinale (HOUND'S TONGUE) -- IV 104, IX 3

see also *Cynoglossum*, Hound's-tongue

Cynoglossum virginianum (WILD COMFREY) -- see Hound's-tongue (Clasping)

Cyperaceae (SEDGE FAMILY) -- XI 156, XIII 402, XIV 27, 28

Cyperus = *Cyperus* spp. (UMBRELLA SEDGE) -- XI 117, 184, XII 312, XIV 8

___ (stem) -- XIII 427

Cyperus dentatus (BULBLET CYPERUS) -- XI 124, 138, XII 260, XIV 5

Cyperus diandrus (STRAND CYPERUS)¹⁰⁵ -- XIII 427, XIV 5

Cyperus esculentus (YELLOW NUTGRASS) -- see *Cyperus phymatodes*, Hedgehog Grass

Cyperus filiculmis (SLENDER CYPERUS) -- XI 123, XII 261, XIII 387, 426

Cyperus mariscoides = *Cyperus filiculmis* (SLENDER CYPERUS) -- XI 123

Cyperus phymatodes = *Cyperus esculentus* (YELLOW NUTGRASS) -- XI 116, 117, 124

Cyperus rivularis (SHINING CYPERUS) -- see *Cyperus diandrus*

Cyperus strigosus (STRAW-COLORED CYPERUS) -- VI 446, XI 124, XIV 53

Cyperus (Tuberous) = *Cyperus filiculmis* (SLENDER CYPERUS) -- XI 123

Cypress = *Euphorbia cyparissias* (CYPRESS SPURGE) -- X 10

Cypripedium acaule (PINK LADY'S SLIPPER) -- see Lady's-slipper, Lady's-slipper (White)

Cypripedium calceolus (YELLOW LADY'S SLIPPER) -- see Lady's-slipper (Yellow)

Cystopteris fragilis (FRAGILE FERN) -- XII 403

Dahlia = *Dahlia* spp. (DAHLIA) -- i 235, I 180, II 204

__ (stem) -- XI 221

Daisy = ¹⁰⁶ -- II 67, XIII 45

__ (bank) -- I 457

Daisy Family = *Compositae* (COMPOSITE FAMILY) -- V 159

DAISY (OXEYE) = *Chrysanthemum leucanthemum*

Daisy (White) = *Erigeron strigosus* (LESSER DAISY FLEABANE) -- II 276, V 409

Dalibarda repens (DALIBARDA) -- IV 356, IX 491

Dalibarda (White) = *Dalibarda repens* (DALIBARDA) -- IV 356

Dandelion = *Taraxacum officinale* (COMMON DANDELION) /*Taraxacum erythrospermum* (RED-SEEDED DANDELION)² -- II 99, 181, 395, 482, III 468, 481, IV 20, 38, 56, 70, 79, 131, 318, 349, 411, 415, 427, 477, V 113, 118, 152, 179, 184, 477, VI 211, 238, 288, 312, VII 280, 328, 339, 404, VIII 276, 333, IX 347, 365, X 373, 408, XII 132, 166, XIII 252, 255, 261, 285, 293

__ (blossom) -- IV 390; __ (globe) -- V 199; __ (seed) -- XIII 289

Dandelion (Autumnal) = *Leontodon autumnalis* (FALL DANDELION) -- II 91, 93, 294, 332, IV 99, 316, 378, 391, 409, 411, 415, 426, V 231, 337, 379, 461, 468, 477, 481, 510, VI 358, 419, VII 5, 48, VIII 6, IX 81, 102, 113, 114, XII 311, 319

Dandelion (Common) = *Taraxacum officinale* (COMMON DANDELION) -- II 91

DANDELION (DWARF) = *Krigia virginica*

Dandelion (Fall) = *Leontodon autumnalis* (FALL DANDELION) -- II 432, 450, III 31, 65, 87, IV 328, 356, 362, 380, V 399, 407, 432, 447, XII 342

Dandelion (Spring) = *Taraxacum officinale* (COMMON DANDELION) /*Taraxacum erythrospermum* (RED-SEEDED DANDELION)² -- II 432

Dangleberry = *Gaylussacia frondosa* (DANGLEBERRY) -- II 61, 424, IV 299, 304, V 358, 375, 400, VI 284, 328, 431, VII 12, IX 9, X 502, XI 94, 141, XII 293, XIII 320, XIV 298

Danthonia = *Danthonia* spp. (WILD OAT-GRASS) -- XII 208

Danthonia spicata (COMMON WILD OAT-GRASS)¹⁰⁷ -- XI 157, 161

see also *Festuca ovina*

Date (tree) = *Phoenix dactylifera* (DATE PALM) -- X 198

Datura = *Datura stramonium* (JIMSONWEED) -- II 343, 345, VI 487, VII 8

___ (-like) -- VII 483

Datura stramonium (JIMSONWEED) -- II 219, 343, XI 172, 181

see also Apple of Peru, Datura, Jamestown-weed, Stramonium

Datura tatula = *Datura stramonium* (JIMSONWEED) -- II 343

Daucus carota (WILD CARROT, QUEEN ANNE'S LACE) -- IV 179

see also Carrot, Carrot (Wild)

Decodon = *Decodon verticillatus* (SWAMP LOOSESTRIFE) -- VI 393, 410, 415, 453, VII 84, VIII 437, IX 15,

___ (bark) -- XI 312

Decodon verticillatus (SWAMP LOOSESTRIFE) -- IV 308, VII 63, X 13

see also Decodon, Grass-poly, Loosestrife (Swamp), Nesaea

Deerberry = *Vaccinium stamineum* (DEERBERRY) -- V 421

Deer-grass = *Rhexia virginica* (MEADOW BEAUTY) -- II 504

Dennstaedtia punctilobula (HAY-SCENTED FERN) -- see *Dicksonia*, *Dicksonia* Fern,
Dicksonia (Odorous), *Dicksonia punctilobula*, Fragrant Fern

Dentaria diphylla (TOOTHWORT) -- IX 80

Deschampsia flexuosa (COMMON HAIRGRASS) -- see *Aira flexuosa*

Desmodium = *Desmodium* spp. (TICK-TREFOIL) -- IV 374, 376, V 350, 374, VII 42, IX
9, 10, 11, 24, 93, XI 93, XII 291, XIV 74

___ (flower) -- IX 23; ___ (seed) -- V 392, IX 93; ___ (tick) -- IX 92

see also *Hedysarum*, Tick-trefoil

Desmodium acuminatum = *Desmodium glutinosum* (POINTED-LEAVED TICK-TREFOIL) --
IV 229, 310, V 323, VI 400, VIII 442, IX 24

Desmodium canadense (SHOWY TICK-TREFOIL) -- V 350, 371, 385, VI 405, 413, VIII
438, IX 63, 500, XI 93

Desmodium dillenii = *Desmodium perplexum* (DILLEN'S TICK-TREFOIL) -- V 350, 374,
IX 11, XI 122

Desmodium glutinosum (POINTED-LEAVED TICK-TREFOIL) -- see *Desmodium*
acuminatum

Desmodium laevigatum (SMOOTH TICK-TREFOIL)¹⁰⁸ -- V 350, 366

Desmodium marilandicum (MARYLAND TICK-TREFOIL) -- V 374, 376, VI 442, IX 11,
XI 122, XIV 74

see also *Desmodium laevigatum*

Desmodium (Naked-flowered) = *Desmodium nudiflorum* (NAKED-FLOWERED TICK-
TREFOIL) -- V 366

Desmodium nudiflorum (NAKED-FLOWERED TICK-TREFOIL) -- V 350, VI 410, VIII
448, IX 11

see also *Desmodium* (Naked-flowered)

Desmodium (Panicked) = *Desmodium paniculatum* (PANICLED TICK-TREFOIL) -- IV 329

Desmodium paniculatum (PANICLED TICK-TREFOIL) -- II 490, IV 317, V 366, 375, 377, VIII 449, IX 11, 92, 93

see also Desmodium (Panicked), Hedysarum (Panicked)

Desmodium perplexum (DILLEN'S TICK-TREFOIL) -- see *Desmodium dillenii*

Desmodium rigidum (STIFF TICK-TREFOIL) -- IX 11, XI 122, XIV 74

Desmodium rotundifolium (PROSTRATE TICK-TREFOIL) -- IV 338, VI 414, VIII 448, 449, IX 23, 92, X 8

see also Desmodium (Round-leaved)

Desmodium (Round-leaved) = *Desmodium rotundifolium* (PROSTRATE TICK-TREFOIL) -- V 366, 372, IX 24

DEWBERRY = *Rubus* spp. -- see especially Blackberry (Low)

Dew-grass = *Muhlenbergia uniflora* (FALL DROPSEED) -- XIV 77

Dianthus = *Dianthus armeria* (DEPTFORD PINK) -- XII 164

Diapensia = *Diapensia lapponica* (DIAPENSIA) -- XI 19, 61

Diapensia lapponica = (DIAPENSIA) -- XI 17, 60

see also Diapensia

Dicentra canadensis (SQUIRREL CORN) -- see *Corydalis* (Squirrel-corn)

Dicksonia = *Dennstaedtia punctilobula* (HAY-SCENTED FERN) -- V 416, VII 36, IX 483, XI 200, 212, 245, XII 345, 346, 353, 359, 360, 365

Dicksonia Fern = *Dennstaedtia punctilobula* (HAY-SCENTED FERN) -- IX 62, 107, X 101, 104, XI 199, 300, 336, XII 191, 345, 346, 349, 366, 370, 399, XIII 278, XIV 8, 28

Dicksonia (Odorous) = *Dennstaedtia punctilobula* (HAY-SCENTED FERN) -- V 397

Dicksonia punctilobula = *Dennstaedtia punctilobula* (HAY-SCENTED FERN) -- V 405

Diervilla = *Diervilla lonicera* (BUSH-HONEYSUCKLE) -- IV 130, 258, V 126, 160, 235, VI 233, 235, 298, 341, VII 352, VIII 379, X 462, 464, XI 10, XIV 26

___ (leaf) -- VI 408

Diervilla lonicera (BUSH-HONEYSUCKLE) -- see Diervilla, Diervilla (Yellow)

Diervilla trifida = *Diervilla lonicera* (BUSH-HONEYSUCKLE) -- IV 88

Diervilla (Yellow) = *Diervilla lonicera* (BUSH-HONEYSUCKLE) -- II 267, IV 88

Digitaria filiformis (SLENDER CRAB-GRASS) -- see *Panicum filiforme*

Digitaria ischaemum (SMOOTH CRAB-GRASS) -- see *Panicum glabrum*

Digitaria sanguinalis (HAIRY CRAB-GRASS) -- see Crab Grass, *Panicum sanguinale*

Dill = *Anethum graveolens* (DILL) -- XII 341

Diospyros virginiana (PERSIMMON) -- IX 135

see also Persimmon

Diplopappi = *Aster* spp. (ASTER) -- V 397, 412

Diplopappus cornifolius = *Aster infirmus* (CORNEL-LEAVED ASTER) -- V 319, 397, 413, VI 400, VII 447, VIII 442, IX 51, 90, 106

Diplopappus linariifolius = *Aster linariifolius* (STIFF ASTER) -- IV 369, V 412, 413, 414, 433, 450, 451, VI 412, VII 31, 434, IX 3, 52, 66, 84, 87, 90, 106, XI 205, 232, 235, 293, XII 289, 393

Diplopappus umbellatus = *Aster umbellatus* (FLAT-TOPPED ASTER) -- V 362, 397, 405, 412, 413, 415, VI 393, 410, 434, VIII 438, IX 51, 90, 106, XII 292, 305, XIV 26

Dirca palustris (LEATHERWOOD) -- II 221, IX 67, 79

see also Wicopy

DITCH-GRASS = *Ruppia maritima*

Dittany = *Origanum dictamnus* (CRETAN DITTANY) -- XIII 378

Dock = *Rumex* spp. (DOCK) -- VII 208, XII 8, XIII 40, 68

Dock (Broad-leaved) = *Rumex obtusifolius* (BITTER DOCK) -- V 291

Dock (Common Curled) = *Rumex crispus* (CURLED DOCK) -- XIII 372

Dock (Curled) = *Rumex crispus* (CURLED DOCK) -- IV 106, V 238, VI 333, 366, XIII 179, 201

Dock (Great Water) = *Rumex orbiculatus* (GREAT WATER DOCK) -- V 346, VI 366, VIII 415

Dock (Water) = *Rumex orbiculatus* (GREAT WATER DOCK) -- VI 386, VII 208, XII 41

Dock (Yellow) = *Rumex crispus* (CURLED DOCK) -- II 292

Dodder = *Cuscuta gronovii* (COMMON DODDER) -- I 380, II 490, IV 273, 291, 309, 362, V 333, VIII 441, XII 377, XIV 73

Dog-berry = *Clintonia borealis* (CLINTONIA)¹⁰⁹ -- II 53

Dog's-bane = *Apocynum* spp. (DOGBANE)¹¹⁰ -- i 433, II 313, 415, IV 103, 116, 127, 258, 267, 307, 353, 364, V 290, 308, 310, VI 359, 477, VII 5, VIII 306, IX 5, XII 291

___ (seed-vessel) -- IV 460

Dogwood = *Cornus florida* (FLOWERING DOGWOOD) -- IV 73, 96, XI 256, 301, 318

___ (berry) -- IV 316

Dogwood = *Rhus vernix* (POISON SUMAC) -- i 129, I 141, II 96, 306, III 6, 44, 129, 136, 147, 485, IV 141, 195, 362, 367, 431, V 406, VI 489, VII 509, 511, VIII 100, 148, 296, 465

___ (berry) -- X 239; ___ (bush) -- IV 360; ___ (leaf) -- VI 489; ___ (sprout) -- X 258; ___ (swamp) -- III 147

Dogwood (Flowering) = *Cornus florida* (FLOWERING DOGWOOD) -- IX 65, XI 259, 309, 311

Dogwood (Poison) = *Rhus vernix* (POISON SUMAC) -- II 128, V (443), VI 277, 301, 351, 405, (445), 479, VII 236, 399, VIII 215, 216, X (43), 238, XII 381, 383, XIII 319, 320, 324

___ (berry) -- XII 357

Dogwood (Scarlet) = *Rhus vernix* (POISON SUMAC) -- IV 361

Dogwood (Striped) = *Acer pensylvanicum* (STRIPED MAPLE) -- IV 346

Dogwood (Venomous) = *Rhus vernix* (POISON SUMAC) -- IX 192

DOLL'S EYES = *Actaea pachypoda*

Door-grass = *Polygonum aviculare* (DOORWEED) -- II 504, IV 379, V 317, XII 293

DOORWEED = *Polygonum aviculare*

Dracaena = *Clintonia borealis* (CLINTONIA) -- IV 258, 307

___ (berry) -- IV 304

Dracaena borealis = *Clintonia borealis* (CLINTONIA) -- IV 95

DROPSEED (FALL) = *Muhlenbergia uniflora*

Drosera = *Drosera* spp. (SUNDEW) -- IX 472

___ (leaf) -- V 117

see also Sundew

Drosera filiformis (THREAD-LEAVED SUNDEW) -- VIII 118, X 9, 11

Drosera intermedia (SPATULATE-LEAVED SUNDEW) -- see *Drosera longifolia*, Sundew (Oblong-leaved), Sundew (Spatular)

Drosera longifolia = *Drosera intermedia* (SPATULATE-LEAVED SUNDEW) -- IV 215, VIII 410

Drosera (Oval-leaved) = *Drosera rotundifolia* (ROUND-LEAVED SUNDEW) -- V 311

Drosera rotundifolia (ROUND-LEAVED SUNDEW) -- II 431, IV 75, VI 396, VIII 410, IX 291

see also *Drosera* (Oval-leaved), Sundew (Round-leafed)

Dryopteris cristata (CRESTED FERN) -- see *Aspidium cristatum*

Dryopteris disjuncta (OAK FERN) -- see *Polypodium dryopteris*, Polypody (Ternate)

Dryopteris marginalis (MARGINAL WOODFERN) = V 405, VI 133

see also *Aspidium marginale*, Marginal Fern, Shield Fern (Marginal)

Dryopteris noveboracensis (NEW YORK FERN) -- see *Aspidium noveboracense*

Dryopteris spinulosa (SPINULOSE WOODFERN) -- see *Aspidium spinulosum*

Dryopteris thelypteris (MARSH FERN) -- see *Aspidium thelypteris*

Duck-meat = *Lemna minor* (COMMON DUCKWEED) -- VII 436

Duckweed = *Lemna minor* (COMMON DUCKWEED) -- VII 436

Dulichium = *Dulichium arundinaceum* (THREE-WAY SEDGE) -- XII 225, XIII 408

Dulichium arundinaceum (THREE-WAY SEDGE) -- see Dulichium, *Dulichium spathaceum*

Dulichium spathaceum = *Dulichium arundinaceum* (THREE-WAY SEDGE) -- VI 446, VIII 423, XIII 425

Eatonia pennsylvanica = *Sphenopholis intermedia* (WEDGEGRASS) -- XIII 396

Echinocloa crus-galli (BARNYARD GRASS) -- see Barnyard Grass, *Panicum crus-galli*

Eel-grass = *Vallisneria americana* (TAPE-GRASS) -- II 345, III 54, V 299, 300, 311, 486, VII 316, 430

Eglantine = *Rosa eglanteria* (SWEET-BRIER) -- V 273

Elatine americana (MUD-PURSLANE) ¹¹¹ -- IV 320

Elatine minima (SMALL WATERWORT) -- see *Elatine americana*, *Elatine* (Small Crypta)

Elatine (Small Crypta) = *Elatine minima* (SMALL WATERWORT) -- VI 379

Elder = *Sambucus canadensis* (COMMON ELDER) -- II 276, IV 26, 126, 165, 192, 217, 258, 261, V 116, 126, 160, 289, 310, 419, VI 211, 235, 297, 372, VII 330, VIII 181, 213, 215, X 71, 293, 358, XI 242, 281, XIV 262

___ (bud) -- III 443; ___ (blossom) -- IV 174, VI 385; ___ (-blow) -- II 310; ___ (bush) -- IV 309; ___ (hedge) -- XIV 69; ___ (leaf) -- V 110, VII 329; ___ (twig) -- V 447

Elder (Common) = *Sambucus canadensis* (COMMON ELDER) -- XI (281)

Elder (Panicked) = *Sambucus pubens* (RED-BERRIED ELDER) -- VIII 380

___ (berry) -- IX 61, 78

Elder (Red) = *Sambucus pubens* (RED-BERRIED ELDER) -- X 453, 464, 479, XIV 18, 26, 32

Elderberry = *Sambucus canadensis* (COMMON ELDER) -- II 424, IV 291, 296, 311, V 356, 406, VI 429, 485, VIII 462, IX 15, X 37, XI 152, XII 292, 309, 310, 316, 320, 322, 380, XIII 158

___ (cluster) -- XII 297; ___ (cyme) -- XII 311

Elderberry (Black) = *Sambucus canadensis* (COMMON ELDER) -- IX (489)

Elderberry (Red) = *Sambucus pubens* (RED-BERRIED ELDER) -- IX 489, X 454, XI 6, XIV 340

ELDER (MARSH) = *Iva frutescens*

Elecampane = *Inula helenium* (ELECAMPANE) -- II 467, IV 79, VI 403, VII 452, IX 4, 5, XI 54, 162

Eleocharis = *Eleocharis* spp. (SPIKE-RUSH) -- XI 176, XII 191, XII 367

see also Rush (Spiked), Spike-rush

Eleocharis acicularis (LEAST SPIKE-RUSH) -- XII 217, 278, XIII 284, 315, 402, 407

Eleocharis obtusa (BLUNT SPIKE-RUSH) -- XI 137, XII 217

Eleocharis palustris (CREEPING SPIKE-RUSH) ¹¹² -- X 488, XI 139, XII 196, 197, 202, 205, 225, 259, XIII 308

Eleocharis smallii (SMALL'S SPIKE-RUSH) -- see *Eleocharis palustris*

Eleocharis tenuis (SLENDER SPIKE-RUSH) -- X 488, XI 132, 134, XII 191, XIII 186, 299, XIV 27, 28

Elm = *Ulmus* spp. (ELM) ¹¹³ -- i 127, 128, 459, 490, I 139, 140, II 53, 64, 154, 197, 215, 217, 248, 254, 281, 287, 301, 341, 378, 411, 422, 454, 467, 486, 487, 505, III 29, 36, 40, 43, 57, 61, 65, 77, 91, 129, 223, 277, 351, 352, 357, 404, 409, 414, 419, 441, 451, 462, 466, 477, 482, 484, 485, 487, IV 8, 16, 17, 18, 19, 24, 32, 36, 41, 46, 50, 52, 59, 65, 69, 78, 90, 112, 116, 184, 187, 192, 210, 222, 275, 277, 298, 358, 378, 384, 397, 398, 442, 448, V 27, 32, 36, 50, 62, 86, 93, 99, 108, 121, 126, 133, 137, 160, 162, 167, 170, 171, 181, 193, 194, 195, 237, 286, 323, 363, 370, 378, 395, 436, 437, 450, 451, 453, 477, VI 19, 32, 69, 162, 171, 187, 193, 194, 197, 198, 201, 203, 210, 217, 250, 263, 281, 300, 303, 343, 371, 381, 401, 442, VII 4, 15, 19, 29, 37, 42, 66, 83, 125, 176, 217, 243, 259, 261, 282, 297, 298, 302, 306, 370, 371, 375, 376, 385, 420, 513, VIII 32, 49, 54, 59, 67, 95, 110, 116, 118, 125, 130, 131, 135, 136, 139, 142, 144, 145, 150, 181, 202, 206, 250, 284, 287, 289, 372, 411, 433, 443, IX 18, 124, 173, 188, 240, 247, 256, 295, 312, 409, 461, 479, X 10, 11, 23, 48, 51, 59, 67, 76, 78, 79, 80, 88, 89, 98, 100, 102, 117, 140, 164, 345, 349, 357, 379, 383, 393, 412, 418, XI 54, 154, 162, 163, 170, 191, 200, 208, 209, 217, 220, 221, 227, 251, 308, 403, 405, 443, 455, XII 13, 115, 133, 140, 152, 249, 336, 373, XIII 38, 63, 95, 113, 244, 289, 313, 327, 331, 336, 340, 363, 368, 380, XIV 57, 108, 120, 147, 161, 230, 250, 262, 320, 321

__ (avenue) -- XII 235; __ (bark) -- I 416; __ (blossom) -- V 105, VI 198; __ (blossom-bud) -- VIII 156; __ (bough) -- XI 161; __ (bud) -- II 172, III 336, 409, V 12, 32, VI 175, XIII 203, 208; __ (bud-scale) -- XIII 245; __ (leaf) -- III 56, IV 382, V 433, 437, VI 388, 401, VII 59, X 148, XI 191, 196, 209; __ (-like) -- V 123, 420, XIV 243; __ (limb) -- X 393, XI 162; __ (-lined street) -- XI 413; __ (root) -- XI 144; __ (seed) -- X 414, XIII 286, 289, 293; __ (spray) -- II 254; __ (-top) -- II 64, IV 241, 378, VI 245, VIII 283, 372, IX 379, X 68, 79, XI 215, XII 38, 249, 317; __ (tree) -- VII 64; __ (tree leaf) -- XII 317; __ (tree top) -- III 169, VII 392; __ (twig) -- XI 399

Elm (American) = *Ulmus americana* (AMERICAN ELM) -- VII 322

Elm (Common) = *Ulmus americana* (AMERICAN ELM) -- V 227, VI 229, 263, VII 319, (373), XI (266)

Elm (Corky) = *Ulmus thomasi* (ROCK ELM)¹¹⁴ -- IV 8

Elm (English) = *Ulmus procera* (ENGLISH ELM) -- XI 315

Elm (Slippery) = *Ulmus rubra* (SLIPPERY ELM) -- V 227, 311, 312, (372), VI 182, 189, 195, 216, 229, 300, VII 324, VIII 293, 442, IX 482, X 357, 365, XI 154, 266, XII 402, XIII 292

___ (bark) -- VIII 365; ___ (leaf) -- VII 373; ___ (shrub) -- IX 61

Elm (White) = *Ulmus americana* (AMERICAN ELM) -- II 198

Elodea spp. (WATERWEED) -- see Eudora

Elodea = *Hypericum virginicum* (MARSH ST. JOHN'S-WORT) -- V 324, 325, VI 394, 419, VII 451, VIII 428, 436, X 274, 493, XI 94, XII 259

Elodea virginica = *Hypericum virginicum* (MARSH ST. JOHN'S-WORT) -- IV 240

Elymus spp. (WILD RYE) -- see Lyme Grass

Elymus virginicus (VIRGINIA WILD RYE) -- XI 142, XIV 53

see also Lyme Grass, Rye

Empetrum = *Empetrum nigrum* (BLACK CROWBERRY) / *Empetrum atropurpureum* (PURPLE CROWBERRY)² -- XI 35, XIII 326

Empetrum nigrum (BLACK CROWBERRY)¹¹⁵ -- IV 69, XI 18, 45, 46, 60

Enchanter's-nightshade (Alpine) = *Circaea alpina* (DWARF ENCHANTER'S NIGHTSHADE)⁸⁷ -- VII 447

Endive = *Cichorium intybus* (CHICORY) -- II 294

English Grass = *Poa pratensis* (JUNEGRASS, KENTUCKY BLUEGRASS) -- II 310, V 443, IX 432, XII 393

___ (field) -- XIII 309; ___ (land) -- IV 287

Epifagus virginiana (BEECHDROPS) -- see Beechdrops, *Epiphegus*, *Epiphegus americana*

Epigaea = *Epigaea repens* (TRAILING ARBUTUS) -- V 105, 116, VI 199, 236, VII 359, 360, VIII 304, IX 71, 80, X 276, 306, 325, 367, XI 18, 60, XII 114, 119, 125, 133, 139, 147, XIII 244

— (wood) -- X 325

Epigaea repens (TRAILING ARBUTUS) -- II 54, IV 49

see also *Arbutus*, *Epigaea*, Mayflower

Epilobium = *Epilobium* spp. (WILLOW-HERB) -- II 85, 276, 305, 313, 383, 415, 482, IV 89, 99, 154, 164, 258, 308, V 291, 359, 450, VI 359, IX 113, 489, X 507, XI 65, 116, XIV 50, 222

— (down) -- V 381, IX 25

see also Willow-herb

Epilobium alpinum (ALPINE WILLOW-HERB) -- XI 60

Epilobium angustifolium (FIREWEED) -- IV 154, VI 370, X 266, XI 119, XIV 26

see also *Epilobium* (Common), *Epilobium* (Great), *Epilobium* (Large)

Epilobium coloratum (PURPLE-LEAVED WILLOW-HERB)¹¹⁶ -- II 422, IV 264, 303, 356, V 314, 328, 432, VI 359, 377, VIII 399, 464, X 510, XII 26, XIII 172

— (leaf) -- VI 408

see also Willow-herb (Colored)

Epilobium (Common) = *Epilobium angustifolium* (FIREWEED) -- IV 306, V (329)

Epilobium glandulosum (NORTHERN WILLOW-HERB) -- see *Epilobium coloratum*

Epilobium (Great) = *Epilobium angustifolium* (FIREWEED) -- VIII 436

Epilobium (Large) = *Epilobium angustifolium* (FIREWEED) -- V 408

Epilobium leptophyllum (NARROW-LEAVED WILLOW-HERB) -- see *Epilobium lineare*, *Epilobium* (Linear-leaved), *Epilobium molle*

Epilobium lineare = *Epilobium leptophyllum* (NARROW-LEAVED WILLOW-HERB) -- IV 303

Epilobium (Linear-leaved) = *Epilobium leptophyllum* (NARROW-LEAVED WILLOW-HERB) -- VI 455

Epilobium molle = *Epilobium strictum* (DOWNY WILLOW-HERB)¹¹⁷ -- V 329, 406, VII 9, 35

Epilobium palustre (MARSH WILLOW-HERB) -- VIII 464, XIV 18, 26, 28

Epilobium strictum (DOWNY WILLOW-HERB) -- see *Epilobium molle*

Epiphegus = *Epifagus virginiana* (BEECHDROPS) -- VIII 423

Epiphegus americana = *Epifagus virginiana* (BEECHDROPS) -- IX 79

Equisetum = *Equisetum* spp. (HORSETAIL) -- IV 168, V 14, XII 185, XIII 232

see also Horsetail

Equisetum arvense (FIELD HORSETAIL) -- III 475, IV 9, 41, VI 225, 284, VII 331, VIII 304, IX 355, X 370

see also Horsetail (Field)

Equisetum fluviatile (WATER HORSETAIL) -- see *Equisetum limosum*, *Equisetum* (Pipe-grass), *Equisetum uliginosum*, Pipes, Pipe-grass

Equisetum hyemale (SCOURING RUSH) -- VII 81, 391, 401, VIII 118, IX 477, 478, X 432

see also Scouring-rush

Equisetum limosum = *Equisetum fluviatile* (WATER HORSETAIL) -- V 144, 218, VII 387, 401, X 419, 421, XI 122, XIII 276

— (pollen) -- VII 403

Equisetum (Pipe-grass) = *Equisetum fluviatile* (WATER HORSETAIL) -- VI 303

Equisetum scirpoides (DWARF HORSETAIL) -- IX 69, 79

Equisetum sylvaticum (WOOD HORSETAIL) -- IV 77, V 121, 311, VI 239, VII 359, VIII 324, IX 362, X 386, 431

see also Horsetail (Wood)

Equisetum uliginosum = *Equisetum fluviatile* (WATER HORSETAIL) -- IV 73, 75

Eragrostis capillaris (LACE LOVE-GRASS)¹¹⁸ -- XI 124, 145, 150, XIV 54, 76

see also *Poa hirsuta*

Eragrostis pectinacea (INDIA LOVE-GRASS)¹¹⁹ -- VI (473), XI 124, 150, 181, XIII 397, XIV 54

see also Purple Grass

Eragrostis spectabilis (PURPLE LOVE-GRASS) -- see *Eragrostis pectinacea*

Erechtites = *Erechtites hieracifolia* (PILEWORT) -- V 329, 359, 362, 406, VI 415, 437, VIII 113, 438, 465, IX 15, 25, 88, 113, X 29, XII 291, 293, 304, 313, 320, 393, XIV 122

— (down) -- X 58, XII 304

Erechtites hieracifolia (PILEWORT) -- IV 286

see also *Erechtites*, Fireweed, Groundsel

Ericaceae (HEATH FAMILY) -- III 414, XIV 154

see also *Vaccineae*, Whortleberry Family

Erigeron = *Erigeron* spp. (FLEABANE) -- IV 215, VI 290, 351, VII 368

see also Fleabane

Erigeron annuus (DAISY FLEABANE) -- IV 171, V 237, 249, VI 351, 405, IX 69, 77, 79, XI 8

Erigeron bellidifolius = *Erigeron pulchellus* (ROBIN'S PLANTAIN) -- IV 82, V 128, 158, 201, VII 405, VIII 358

Erigeron canadensis (HORSEWEED) -- II 62, IV 247, 250, V 316, VI 401, VIII 435

see also Butterweed

Erigeron (Entire-leaved) = *Erigeron strigosus* (LESSER DAISY FLEABANE) -- IV 231

Erigeron integrifolius = *Erigeron strigosus* (LESSER DAISY FLEABANE) -- IV 99, 196

Erigeron philadelphicus (PHILADELPHIA FLEABANE) -- IV 82, IX 71

Erigeron pulchellus (ROBIN'S PLANTAIN) -- see *Erigeron bellidifolius*, Robin's-plantain

Erigeron strigosus (old usage) = *Erigeron annuus* (DAISY FLEABANE) -- IV 171

Erigeron strigosus (LESSER DAISY FLEABANE) -- IV 99, 196, 258, V 237, 249, 304, 409, VI 335, 348, 351, 401, 405, 448, XI 8

see also Daisy (White), *Erigeron* (Entire-leaved), *Erigeron integrifolius*

Erigeron (White) = *Erigeron* spp. (FLEABANE)¹²⁰ -- IV 378

Eriocaulon = *Eriocaulon* spp. (PIPEWORT) -- VII 479, IX 237

Eriocaulon = *Eriocaulon septangulare* (SEVEN-ANGLED PIPEWORT) -- VI 374, VII 316, VIII 425, X 349, XI 66, 159, 160, XIII 361

— (ball) -- VIII 423

Eriocaulon septangulare (SEVEN-ANGLED PIPEWORT) -- see *Eriocaulon*

Eriophorum = *Eriophorum* spp. (COTTON-GRASS) -- VIII 423, X 472, XII 235, XIII 384, 402, XIV 45

Eriophorum gracile (SLENDER COTTON-GRASS)¹²¹ -- VI 406, XII 235, XIII 362, XIV 18, 27, 28

Eriophorum polystachyon = *Eriophorum viridi-carinatum* (THIN-LEAVED COTTON-GRASS)¹²² -- VI 317, X 492, XI 141, XII 208, 235, XIII 303, 351

Eriophorum spissum (HARE'S-TAIL) -- see *Eriophorum vaginatum*

Eriophorum tenellum (ROUGH COTTON-GRASS) -- see Cotton-grass (Narrow-leaved), *Eriophorum gracile*

Eriophorum vaginatum = *Eriophorum spissum* (HARE'S-TAIL) -- X 447, 462, 464, 471, 477, XI 46, 61, 84, XII 191, 235, 238, XIII 350, XIV 18, 27, 28

Eriophorum virginicum (TAWNY COTTON-GRASS) -- IV 386, V 349, XII 235

see also Cotton-grass (Rusty), Cotton-grass (Virginian), *Eriophorum polystachyon*

Eriophorum viridi-carinatum (THIN-LEAVED COTTON-GRASS) -- see *Eriophorum polystachyon*

Erysimum officinale = *Sisymbrium officinale* (HEDGE MUSTARD) -- II 279

Erythronium americanum (TROUT LILY) -- IX 80

see also Violet (Dog's-tooth)

Eudora = *Elodea canadensis* (BROAD WATERWEED) / *Elodea nuttallii* (NARROW WATERWEED)² -- XIII 273

Eupatorium = *Eupatorium* spp. (THOROUGHWORT) -- II 389, IV 184, V 314, 337, VI 331, VIII 72, XII 305

___ (stack) -- VIII 69

see also Thoroughwort

Eupatorium ageratoides = *Eupatorium rugosum* (WHITE SNAKEROOT) -- IX 65, 79

Eupatorium (Common) = *Eupatorium dubium* (EASTERN JOE-PYE-WEED) -- VII 52

Eupatorium dubium (EASTERN JOE-PYE-WEED) -- see *Eupatorium* (Common), *Eupatorium purpureum*, *Eupatorium* (Red), *Eupatorium verticillatum*, Trumpet-flower, Trumpet-weed

Eupatorium fistulosum (TRUMPETWEED) -- VI 463

see also *Eupatorium purpureum*, Trumpet-weed

Eupatorium (Ovate-leaved) = *Eupatorium pubescens* (HAIRY BONESET) -- IV 244

Eupatorium perfoliatum (BONESET) -- IV 266, XII 305

see also Boneset

Eupatorium pubescens (HAIRY BONESET) -- IV 244, 305, V 329, VI 408, VIII 446, X 29

Eupatorium purpureum (SWEET-SCENTED JOE-PYE-WEED)¹²³ -- II 389, 415, 434, III 32, IV 229, 270, 309, V 343, 399, VI 408, 463, VIII 448, IX 98, XII 209, 305

Eupatorium (Red) = *Eupatorium dubium* (EASTERN JOE-PYE-WEED) -- XII 302

Eupatorium rugosum (WHITE SNAKEROOT) -- see *Eupatorium ageratoides*

Eupatorium sessilifolium (UPLAND BONESET) -- IV 246, 334, V 371, VI 417, VIII 450

Eupatorium verticillatum = *Eupatorium dubium* (EASTERN JOE-PYE-WEED) -- II 389

Euphorbia = *Euphorbia* spp. (SPURGE) -- VI 486, VIII 420

___ (pasture) -- VIII 410

Euphorbia cyparissias (CYPRESS SPURGE) -- X 10, 492, XIII 313

Euphorbia hypericifolia = *Euphorbia maculata* (EYEBANE) -- IV 319, V 323, VI 486, IX 33, XI 158

Euphorbia maculata (EYEBANE) -- see *Euphorbia hypericifolia*

Euphorbia maculata (old usage) = *Euphorbia supina* (MILK PURSLANE) -- II 451, IV 265, V 303, VI 385, VIII 446

Euphorbia polygonifolia (SEASIDE SPURGE) -- VI 487, VII 436, XI 174

Euphorbia supina (MILK PURSLANE) -- see *Euphorbia maculata* (old usage), Spurge (Common)

Evergreen = ¹²⁴ -- II 304

Everlasting = *Gnaphalium* spp. (CUDWEED)/*Anaphalis margaritacea* (PEARLY EVERLASTING) -- i 267, 354, I 216, 307, IV 379, V 450, VIII 124, IX 146, X 505

___ (stem) -- X 505; ___ (-top) -- VIII 124

Everlasting (Fragrant) = *Gnaphalium obtusifolium* (SWEET EVERLASTING)/*Gnaphalium macounii* (CLAMMY EVERLASTING)¹²⁵ -- IV 348, 356, 363, V 120, 432, 461, 477, VI 384, 419, VIII 123, 459, IX 34, 155, 280, XI 93, 201, XIV 122

Everlasting (Pearly) = *Anaphalis margaritacea* (PEARLY EVERLASTING) -- IV 230, (307), V 179, 317, VIII 436, XI 119, 186, XII (305), XIV 26

Everlasting (Plantain-leaved) = *Antennaria* spp. (PUSSYTOES) -- III 473

Evernia = a lichen

EYEBANE = *Euphorbia maculata*

Fagopyrum sagittatum (BUCKWHEAT) -- see Buckwheat

Fagus grandifolia (AMERICAN BEECH) -- see Beech

False-Buckwheat (Climbing) = *Polygonum scandens* (CLIMBING FALSE BUCKWHEAT) /*Polygonum cristatum* (WINGED BINDWEED)¹²⁶ -- IV 334, 362

False-Buckwheat (Fringe-jointed) = *Polygonum cilinode* (FRINGED BINDWEED) -- IV 345

FALSE FOXGLOVE = *Gerardia* spp.

FALSE PIMPERNEL = *Lindernia* spp.

Fennel = *Foeniculum vulgare* (FENNEL) -- II 242

Fescue = *Festuca* spp. (FESCUE GRASS)/*Vulpia* spp. (FESCUE GRASS) -- XIII 403

___ (-clad hill) -- XIII 164

Fescue (Sheep's) = *Festuca ovina* (SHEEP'S FESCUE GRASS) -- XIII 402, XIV 4

Fescue-grass = *Festuca* spp. (FESCUE GRASS)/*Vulpia* spp. (FESCUE GRASS) -- II 90, V 529, XIII 367, 414

Fescue-grass (Floating) = *Glyceria septentrionalis* (FLOATING MANNA GRASS) -- XI 144

Fescue Grass (Sheep's) = *Festuca ovina* (SHEEP'S FESCUE GRASS) -- XIV 177

Fescue Grass (Tall) = *Festuca elatior* (TALL FESCUE GRASS) -- XIII 367

Festuca = *Festuca* spp. (FESCUE GRASS) / *Vulpia* spp. (FESCUE GRASS) -- XIII 352

___ (-like grass) -- XII 410

Festuca elatior (TALL FESCUE GRASS) -- see Fescue Grass (Tall)

Festuca ovina (SHEEP'S FESCUE GRASS)¹²⁷ -- XII 208, XIII 377, 381, 396, 399, 401, XIV 27

see also Fescue (Sheep's), Fescue Grass (Sheep's), Oat Grass (Meadow)

Festuca rubra (RED FESCUE GRASS) -- see *Festuca ovina*

Festuca tenella = *Vulpia octoflora* (SLENDER FESCUE GRASS) -- XII 208, XIII 383

FETTERBUSH = *Leucothoe racemosa*

Fever-bush = *Lindera benzoin* (SPICEBUSH) -- II 186, 432, 434, III 373, IV 27, 58, 66, 206, 295, 305, V 481, VI 249, 270, 300, VII 107, 334, 385, IX 61, 136, 370, 374, X 23, 61, 111, XI 198, XII 368, 381, 382, 386

___ (berry) -- VI 416, 462, X 32, XII 350, XIV 91; ___ (leaf) -- XII 316; ___ (shoot) -- VII 395

Fever-root = *Triosteum aurantiacum* (ORANGE-FRUITED HORSE-GENTIAN) -- II 261, VI 261, 299, 320, VII 412

Feverwort = *Triosteum aurantiacum* (ORANGE-FRUITED HORSE-GENTIAN) -- V 419, XII 381, 383

___ (berry) -- V 390, VII 13, XII 317, 376

Fiddle-wood = *Petitia domingensis* (FIDDLEWOOD)⁸⁸ -- III 221

Filbert = *Corylus* spp. (HAZELNUT) -- II 313, VIII 200, XIV 172

Filipendula rubra (QUEEN-OF-THE-PRAIRIE) -- see *Spiraea lobata*

Filipendula ulmaria (QUEEN-OF-THE-MEADOW) -- see *Spiraea ulmaria*

Fimbristylis autumnalis (SLENDER FIMBRISTYLIS) -- XI 138

Fimbristylis capillaris = *Bulbostylis capillaris* (HAIR-LIKE BULBOSTYLIS) -- XI 124, 138, 234, XII 261, 314, XIII 426

Finger Grass = *Digitaria sanguinalis* (HAIRY CRAB-GRASS) -- XI 145, XII 313

Fir = *Abies balsamea* (BALSAM FIR) -- I 365, II 266, III 229, IV 441, V 131, 185, 197, 209, VI 22, 98, 210, 217, 303, 307, VII 120, 133, VIII 61, IX 385, 491, XI 10, 14, 15, 18, 26, 30, 31, 32, 34, 36, 37, 45, 46, 48, 49, 56, 60, 61, 62, XIII 314, 335, XIV 26, 308

___ (leaf) -- XI 27; ___ (scrub) -- XI 47; ___ (thicket) -- XI 44, 47; ___ (top) -- XI 30, 34; ___ (tree) -- IV 6, VI 141, IX 50, 493, X 497, XIII 23, 314; ___ (tree house) -- IV 398; ___ (twig) -- VIII 111, XIII 314; ___ (wood) -- XI 27; ___ (zone) -- XI 61

Fir (Balsam) = *Abies balsamea* (BALSAM FIR) -- II 279, 364, IV 210, VI 261, 280, 299, 300, VII 388, VIII 349, IX 365, XII 133, 185, XIII 285

___ (cone) -- IX 385; ___ (flower) -- VI 284; ___ (pollen) -- VII 381

Fir (Comb-like-leaved Silver) = *Abies alba* (SILVER FIR) -- X 185

FIR (DOUGLAS) = *Pseudotsuga menziesii*

Fir (Great Silver) = *Abies grandis* (GRAND FIR) -- X 185

Fir (Norway Spruce) = *Picea abies* (NORWAY SPRUCE) -- X 185

Fir (Scotch) = *Pinus sylvestris* (SCOTCH PINE) -- II 225, X 185

Fireweed = *Erechtites hieracifolia* (PILEWORT) -- II 320, 427, III 12, V 359, 399, 406, IX 489, X 58, XIV 106, 122, 222

___ (seed) -- IX 88

FIREWEED = *Epilobium angustifolium*

Five-finger = *Potentilla canadensis* (DWARF CINQUEFOIL) -- IV 11, XII 403

Flag = *Typha* spp. (CAT-TAIL)¹²⁸ -- i 125, 440, I 136, III 74, 76, IV 163, 240, V 14, 486, 489, VI 119, 153, 285, 293, 307, VII 5, 336, 387, VIII 398, IX 444, 459, XI 113, 241, XII 197, 241, 269, 278, 318, 356, 389, XIII 310

(a-) __(-ing) -- IX 415

Flag (Barrel) = *Typha latifolia* (COMMON CAT-TAIL) -- VII 435, IX 444

Flag (Blue) = *Iris versicolor* (LARGER BLUE FLAG) -- i 352, I 305, II 256, 277, 424, IV 91, 92, 123, 164, V 252, 253, 298, 314, IV 489, XII 203

__ (seed-vessels) -- V 448

Flag (Cat-tail) = *Typha* spp. (CAT-TAIL) -- VII 435, IX 503

Flag (Chair) = *Typha angustifolia* (NARROW-LEAVED CAT-TAIL) -- IV 42, IX 444

Flag (Common Blue) = *Iris versicolor* (LARGER BLUE FLAG) -- V 201, X 490

Flag (Sweet) = *Acorus calamus* (SWEET FLAG, CALAMUS) -- III 398, IV 74, 92, 171, V 155, 223, 252, 486, VI 182, 211, 318, VII 361, X 367, 376, 487, XII 185, XIII 309

__ (pollen) -- VII 403

Flagroot = *Acorus calamus* (SWEET FLAG, CALAMUS) -- i 116, I 127, III 52, V 491, 496, 511, VII 336, IX 197

Flax (Common) = *Linum usitatissimum* (COMMON FLAX) -- IV 302, XI 41

Fleabane = *Erigeron* spp. (FLEABANE) -- II 375, 415, IV 240, VI 419

Fleabane (Annual) = *Erigeron canadensis* (HORSEWEED) -- II 62

Fleabane (Narrow-leaved Daisy) = *Erigeron strigosus* (LESSER DAISY FLEABANE) -- IV 99

Fleabane (Purple) = *Erigeron annuus* (DAISY FLEABANE) -- XI 8

Fleabane (Small White) = *Erigeron* spp. (FLEABANE)¹²⁹ -- IV 405

Floating-heart = *Nymphoides cordata* (FLOATING HEART) -- IV 149, 168, 212, 232, 234, 258, 265, 280, V 273, 307

Flowering Fern = *Osmunda regalis* (ROYAL FERN) -- V 295, 340, 405, VI 210, 324, 345, 364, 449, VII 52, 407, IX 475, XII 201, 291, 357, 363, XIII 66, 293, 369, 372, 376

___ (seed) -- VI 366

Flyaway Grass = *Agrostis scabra* (FLY-AWAY GRASS) -- XI 150, 205, XIV 224

___ (seed) -- XIV 224

FOAMFLOWER = *Tiarella cordifolia*

Forget-me-not = *Myosotis* spp. (FORGET-ME-NOT) -- II 427, IV 170, 228, 257, 303, 360, V 10, VII 256, VIII 122, XIII 205

Forget-me-not (German) = ¹³⁰ -- IV 68

Forget-me-not (Mouse-ear) = *Myosotis laxa* (SMALLER FORGET-ME-NOT) -- IV 91

Fowl-meadow Grass = *Poa palustris* (FOWL-MEADOW GRASS) -- XII (224), (226), XIII 377, 382, 401, (402), (403), (404)

Fox-tail = *Setaria glauca* (YELLOW FOXTAIL) -- XI 124

Foxtail Grass = *Alopecurus* spp. (FOXTAIL)¹³¹ -- VII 385

Fox-tail Grass (Meadow) = *Alopecurus pratensis* (MEADOW FOXTAIL) -- XII 190, XIII 288

Fragaria vesca (WOOD STRAWBERRY) -- VI 449

Fragaria virginiana (WILD STRAWBERRY) -- IV 31, 49, V 116, VI 449, XIII 351

see also Strawberry, Strawberry (Common)

FRAGILE FERN = *Cystopteris fragilis*

Fragrant Fern = *Dennstaedtia punctilobula* (HAY-SCENTED FERN) -- XI 7

Fraxinus americana (WHITE ASH) -- IV 50

see also Ash (White)

Fraxinus nigra (BLACK ASH) -- see Ash (Black), Hoopwood

Fraxinus pennsylvanica (RED ASH) -- see Ash (Reddish)

Frost-weed = *Helianthemum canadense* (ROCK-ROSE) / *Helianthemum bicknellii* (HOARY FROSTWEED)² -- V 342, 483, VII 518, VIII 10, XI 316, 322

Fuchsia = *Fuchsia* spp. (FUCHSIA) -- II 364

Fumaria = *Fumaria officinalis* (FUMITORY) -- IV 258

Fumaria officinalis (FUMITORY) -- see Fumaria, Fumitory (Common)

FUMITORY (CLIMBING) = *Adlumia fungosa*

Fumitory (Common) = *Fumaria officinalis* (FUMITORY) -- IV 97

Galeopsis tetrahit (HEMP NETTLE) -- IV 298, V 338

see also Hemp

Galium = *Galium* spp. (BEDSTRAW) -- II 389, IV 209, 258, 305, V 287, VI 337, VII 421

___ (-like) -- IV 232; ___ (stem) -- VIII 23

Galium aparine (CLEAVERS)¹³² -- V 192, VI 290, 337, IX 388

Galium asprellum (ROUGH BEDSTRAW) -- II 424, IV 210, V 313, 406, VI 385

see also Galium (Rough)

Galium circaezans (WILD LICORICE) -- IV 247, 357, V 287, 352, 404, VI 346, VIII 404, 450, IX 70

___ (leaf) -- X 12

Galium lanceolatum (LANCE-LEAVED WILD LICORICE) -- VIII 404

Galium latifolium -- see *Galium trifidum* var. *latifolium*

Galium (Obtuse) = *Galium obtusum* (LARGE MARSH BEDSTRAW) -- II 278, 435, IV 128, 175

Galium obtusum (LARGE MARSH BEDSTRAW) -- VIII 408

see also *Galium trifidum* var. *latifolium*, *Galium* (Obtuse)

Galium palustre (MARSH BEDSTRAW) -- see *Galium trifidum*

Galium pilosum (HAIRY BEDSTRAW) -- VIII 450, XII 224

Galium (Rough) = *Galium asprellum* (ROUGH BEDSTRAW) -- IV (195)

Galium (Small) = *Galium trifidum* (SMALL BEDSTRAW) -- IV 362

Galium tinctorium (CLAYTON'S BEDSTRAW) -- VI 343

see also *Galium trifidum* var. *tinctorium*

Galium trifidum (SMALL BEDSTRAW)¹³⁴ -- IV 195, 362, V 287, VI 359, 374, VIII 408

Galium trifidum var. *latifolium* = *Galium obtusum* (LARGE MARSH BEDSTRAW) -- VI 343, VIII 408

Galium trifidum var. *tinctorium* = *Galium tinctorium* (CLAYTON'S BEDSTRAW) -- V 263

Galium triflorum (SWEET-SCENTED BEDSTRAW) -- II 432, IV 195, V 225, VI 337, VIII 404, IX 25, XII 201

see also *Galium aparine*

Garlic = *Allium canadense* (WILD GARLIC) -- VI 331, 350, 377, IX 409, 460, 461, 500

Garlic (Wild Meadow) = *Allium canadense* (WILD GARLIC) -- V 248

Gaultheria = *Gaultheria hispidula* (CREEPING SNOWBERRY) -- IV 302

Gaultheria = *Gaultheria procumbens* (CHECKERBERRY) -- VI 388, VII 95

Gaultheria hispidula (CREEPING SNOWBERRY) -- II 220

see also *Chiogenes*, *Chiogenes hispidula*, *Gaultheria*

Gaultheria procumbens (CHECKERBERRY) -- IV 265

see also Checkerberry, *Gaultheria*

Gaylussacia = *Gaylussacia* spp. (HUCKLEBERRY) -- V 375, VI 264, VII 378, XIV 297

see also Huckleberry, Whortleberry

Gaylussacia baccata (BLACK HUCKLEBERRY) -- see *Gaylussacia resinosa*, Huckleberry (Black), Huckleberry (Common), Huckleberry (Red), *Vaccinium resinsum*

Gaylussacia dumosa (DWARF HUCKLEBERRY) -- IX 41, 44, 460, 465, 472, XI 83, 84

see also Huckleberry (Hairy), *Vaccinium dumosum*

Gaylussacia frondosa (DANGLEBERRY) -- IV 299

see also Dangleberry

Gaylussacia resinosa = *Gaylussacia baccata* (BLACK HUCKLEBERRY) -- IV 90, VIII 445, IX 8, 41

Genista = *Genista tinctoria* (DYER'S GREENWEED) -- IX 6, X 448, XI 327, XII 18

Genista tinctoria (DYER'S GREENWEED) -- X 246, 439, 510

see also Broom, *Genista*

Gentian = *Gentiana* spp. (GENTIAN) -- IV 391, V 433, 435, VII 48, IX 85, XI 183, 280, XII 320

Gentian (Fringed) = *Gentiana crinita* (FRINGED GENTIAN) -- IV 362, 377, 390, 391, V 385, 433, 478, 500, VI 156, VII 35, 45, 455, 520, IX 29, 56, 59, 67, 83, 85, 118, 123, 143, X 51, 58, 88, 107, 156, XI 158, 189, 193, 198, 204, 280, 291, XII 334

___ (stem) -- IX 370

GENTIAN (PLYMOUTH) = *Sabatia kennedyana*

Gentian (Soapwort) = *Gentiana andrewsii* (FRINGE-TIP CLOSED GENTIAN)/*Gentiana clausa* (CLOSED GENTIAN)² -- III 4, 29, IV 356, 360, 378, V 416, VII 15, 526, X 26, 42, 124

Gentian (Spurred) = *Halenia deflexa* (SPURRED GENTIAN) -- IX 498, 500

Gentiana andrewsii (FRINGE-TIP CLOSED GENTIAN)¹³⁵ -- XI 133, 181, 183

see also Gentian (Soapwort), *Gentiana saponaria*

Gentiana clausa (CLOSED GENTIAN) -- see Gentian (Soapwort), *Gentiana andrewsii*, *Gentiana saponaria*

Gentiana crinita (FRINGED GENTIAN) -- III 96, IV 390

see also Gentian (Fringed)

Gentiana saponaria = *Gentiana andrewsii* (FRINGE-TIP CLOSED GENTIAN)/*Gentiana clausa* (CLOSED GENTIAN)² -- II 435, IV 348

Geranium = *Geranium* spp. (GERANIUM) -- i 235, I 180, IX 409

Geranium = *Geranium maculatum* (WILD GERANIUM) -- II 313, III 371, IV 53, 71, 76, 102, 115, 135, 179, 299, V 170, 174, 213, VI 279, 346, VII 393, IX 391, 399, X 496, XII 191, 291

— (flower-bud) -- V 192; — (leaf) -- IV 266, VI 393, VIII 410

Geranium bicknellii (BICKNELL'S CRANESBILL) -- see *Geranium carolinianum*

Geranium carolinianum (CAROLINA CRANESBILL)¹³⁷ -- IV 356, IX 7

Geranium dissectum = *Geranium carolinianum* (CAROLINA CRANESBILL)/*Geranium bicknellii* (BICKNELL'S CRANESBILL)² -- IX 7

Geranium maculatum (WILD GERANIUM) -- IV 73, 107, X 439

see also Geranium

Geranium robertianum (HERB ROBERT) -- VII 65, X 453

see also Herb-Robert

Geranium (Spotted) = *Geranium maculatum* (WILD GERANIUM) -- IV 107

Geranium (Wood) = *Geranium carolinianum* (CAROLINA GERANIUM)/*Geranium bicknellii* (BICKNELL'S GERANIUM)² -- IX 7

Gerardia = *Gerardia* spp. (GERARDIA, FALSE FOXGLOVE) -- II 69, V 450, XII 305

Gerardia = *Gerardia virginica* (DOWNY FALSE FOXGLOVE)

__ (oaks) -- X 30

Gerardia (Bushy) = *Gerardia pedicularia* (FERN-LEAVED FALSE FOXGLOVE) -- II 426, IV 299, 310, 322, 329, 379, 395, V 8, 350, 373, VI 428

Gerardia flava (SMOOTH FALSE FOXGLOVE) -- see *Gerardia quercifolia*

Gerardia flava (old usage) = *Gerardia virginica* (DOWNY FALSE FOXGLOVE) -- II 435, V 338, 361, 372, VI 408, VIII 432

Gerardia glauca = *Gerardia flava* (SMOOTH FALSE FOXGLOVE) -- II 430

Gerardia (Linear-leafed) = *Gerardia tenuifolia* (SLENDER GERARDIA) -- V 350

Gerardia maritima (SEASIDE GERARDIA) -- XI 174

Gerardia paupercula (SMALL-FLOWERED GERARDIA) -- see *Gerardia* (Purple), *Gerardia purpurea*

Gerardia pedicularia (FERN-LEAVED FALSE FOXGLOVE) -- II 426, IV 299, VIII 464, IX 15, XI 121

see also *Gerardia* (Bushy), *Gerardia pediculata*

*Gerardia pediculata*⁸ = *Gerardia pedicularia* (FERN-LEAVED FALSE FOXGLOVE) -- XII 305

Gerardia (Purple) = *Gerardia paupercula* (SMALL-FLOWERED GERARDIA) -- II 415, III 44, IV 305, 326, 342, 349, 356, V 350, 356, VI 419, VII 34

Gerardia purpurea = *Gerardia paupercula* (SMALL-FLOWERED GERARDIA)¹³⁸ -- IV 305, VIII 463, IX 70, 97, X 17, XII 305

Gerardia quercifolia = *Gerardia flava* (SMOOTH FALSE FOXGLOVE) -- II 430, V 338, 361, 371, VI 416, VIII 442

— (path) -- VIII 436, XIII 294

Gerardia (Tall) = *Gerardia flava* (SMOOTH FALSE FOXGLOVE) -- II 430

Gerardia tenuifolia (SLENDER GERARDIA) -- IX 70, 79, X 17, 24

see also *Gerardia* (Linear-leaved)

Gerardia virginica (DOWNY FALSE FOXGLOVE) -- see *Gerardia*, *Gerardia flava* (old usage), *Gerardia* (Yellow)

Gerardia (Yellow) = *Gerardia virginica* (DOWNY FALSE FOXGLOVE) -- II 348, 370, X 238

Germander (Wild) = *Teucrium canadense* (AMERICAN GERMANDER)/*Teucrium occidentale* (HAIRY GERMANDER)² -- VII 480

Geum = *Geum* spp. (AVENS) -- V 185, VI 287, VII 406

Geum album = *Geum canadense* (WHITE AVENS) -- VIII 401, IX 482

Geum aleppicum (YELLOW AVENS) -- see *Geum strictum*

Geum canadense (WHITE AVENS) -- see *Avens* (White), *Geum album*, *Geum* (White)

Geum laciniatum (ROUGH AVENS) -- see *Geum virginianum*

Geum macrophyllum (LARGE-LEAVED AVENS) -- XI 15

Geum peckii (MOUNTAIN AVENS) -- see *Geum radiatum* var. *peckii*

Geum radiatum var. *peckii* = *Geum peckii* (MOUNTAIN AVENS) -- XI 18, 23, 60, 61

Geum rivale (PURPLE AVENS, WATER AVENS) -- IV 82, VI 305, VIII 358

see also *Avens* (Red)

Geum strictum = *Geum aleppicum* (YELLOW AVENS) -- VI 382, XI 41

Geum virginianum = *Geum canadense* (WHIE AVENS) -- V 352

Geum virginianum = *Geum laciniatum* (ROUGH AVENS)¹³⁹ -- VIII 401, 413, IX 461

Geum (White) = *Geum canadense* (WHITE AVENS) -- VI 390

Gilead = *Populus gileadensis* (BALM-OF-GILEAD) -- VII 359, 368, XIII 336

Gill = *Glechoma hederacea* (GILL-OVER-THE-GROUND) -- IV 322, V 224

Gill-over-the-ground = *Glechoma hederacea* (GILL-OVER-THE-GROUND) -- III 198

GINGER (WILD) = *Asarum canadense*

Ginkgo (tree) = *Ginkgo biloba* (GINKGO) -- II 363, VII 64

Ginseng = *Panax quinquefolius* (GINSENG) -- II 220, 221, 232, VI 449

GLASSWORT = *Salicornia* spp.

Glaux maritima (SEA MILKWORT) -- II 354, XI 176

Glechoma hederacea (GILL-OVER-THE-GROUND) -- II 216, VIII 118

see also Gill, Gill-over-the-ground, Ivy (Ground), *Nepeta*, *Nepeta glechoma*

Gleditsia triacanthos (HONEY LOCUST) -- see *Acacia* (Three-thorned)

Glyceria = *Glyceria* spp. (MANNA-GRASS) -- VI 373, X 275, XIII 405

Glyceria acutiflora (SHARP-SCALED MANNA-GRASS) -- XIII 397, 404

Glyceria aquatica = *Glyceria grandis* (REED MEADOW-GRASS) -- XIII 384

Glyceria borealis (NORTHERN FLOAT-GRASS) -- see *Glyceria fluitans*, Lake Grass, Purple Grass (Early)

Glyceria canadensis (RATTLESNAKE GRASS) -- see *Glyceria elongata*, Rattlesnake Grass

Glyceria elongata = *Glyceria melicaria* (SLENDER MANNA-GRASS)¹⁴⁰ -- XIII 387, XIV 27

Glyceria fluitans = *Glyceria borealis* (NORTHERN FLOAT-GRASS)/*Glyceria septentrionalis* (FLOATING MANNA-GRASS)¹⁴¹ -- XI 144, 289, XII 7, 205, 217, 226, XIII 327, 387

Glyceria grandis (REED MEADOW-GRASS) -- see *Glyceria aquatica*

Glyceria obtusa (BLUNT MANNA-GRASS) -- XI 142, 159, XIV 54

Glyceria pallida (PALE MANNA-GRASS) -- XII 208, XIII 362, 374

see also *Poa dentata*

Glyceria septentrionalis (FLOATING MANNA-GRASS) -- see *Glyceria fluitans*, Lake Grass, Purple Grass (Early)

Glyceria striata (NERVED MANNA-GRASS) = ¹⁴²

Glycine apios = *Apios americana* (GROUNDNUT) -- II 410

Gnaphalium = *Gnaphalium* spp. (CUDWEED, EVERLASTING)/*Antennaria* spp. (PUSSYTOES)/*Anaphalis margaritacea* (PEARLY EVERLASTING) -- III 478, IV 34, 55, 76, 173, 485, V 18, 122, XII 305, XIII 40

— (leaf) -- IV 309

see also Life-everlasting

Gnaphalium decurrens = *Gnaphalium macounii* (CLAMMY EVERLASTING) -- V 350, 366

Gnaphalium (Decurrent) = *Gnaphalium macounii* (CLAMMY EVERLASTING) -- V 400

Gnaphalium macounii (CLAMMY EVERLASTING) -- see *Gnaphalium decurrens*, *Gnaphalium* (Decurrent)

Gnaphalium obtusifolium (SWEET EVERLASTING) -- see Everlasting (Fragrant), *Gnaphalium polycephalum*, Life-everlasting (Fragrant), Life-everlasting (Sweet-scented)

Gnaphalium (Pearly) = *Anaphalis margaritacea* (PEARLY EVERLASTING) -- VI 393

Gnaphalium plantaginifolium = *Antennaria* spp. (PUSSYTOES) -- III 364, IV 55, 56, 58, 364, VII 434

Gnaphalium polycephalum = *Gnaphalium obtusifolium* (SWEET EVERLASTING) -- V 336, XII 305

Gnaphalium (Purple) = *Gnaphalium purpureum* (PURPLISH CUDWEED)¹⁰² -- IV 67

Gnaphalium purpureum (PURPLISH CUDWEED)¹⁰² -- III 364, 473, 475

see also *Gnaphalium* (Purple)

Gnaphalium uliginosum (LOW CUDWEED) -- IV 232, V 299, 314, VII 408, VIII 426

see also Cudweed, Cudweed (Low)

Gnawel = *Scleranthus annuus* (KNAWEL) -- V 477

GOAT'S RUE = *Tephrosia virginiana*

GOLDEN-ASTER = *Chrysopsis* spp.

Goldenrod = *Solidago* spp. (GOLDENROD) -- II 70, 85, 103, 104, 317, 318, 375, 411, 415, 416, 422, 424, III 6, 32, 44, 65, 132, 188, 296, IV 44, 89, 199, 225, 229, 265, 285, 306, 316, 348, 355, 364, 369, 370, 378, 392, 411, 415, V 8, 282, 317, 339, 340, 344, 348, 349, 355, 362, 396, 403, 404, 405, 418, 419, 420, 422, 423, 450, 462, VI 258, 396, 402, 420, 427, 434, VII 48, 53, 63, 95, 185, VIII 9, 441, 450, IX 51, 61, 89, 106, 318, X 58, 93, XI 26, 107, 171, 201, 212, 214, 250, 291, 306, 358, 390, XII 26, 301, 303, 320, 321, 375, 392, 439, 442, XIII 18, 30, 79, XIV 26, 31, 106, 122, 170, 222,

___ (head) -- XII 442; ___ (leaf) -- VIII 425

Goldenrod (Blue-stemmed) = *Solidago caesia* (BLUE-STEMMED GOLDENROD) -- IV 358, 361, 373, (391), 395, 401, 408, 415, V 396, VI 478, IX 391, XI 232, 307, XIV 93

___ (path) -- IV 355

Goldenrod (Broad-leaved) = *Solidago flexicaulis* (BROAD-LEAVED GOLDENROD) -- VI (258)

Goldenrod (Common) = *Solidago nemoralis* (GRAY GOLDENROD) -- XIII 69

Goldenrod (Early) = *Solidago juncea* (EARLY GOLDENROD) -- V 341, 363

Goldenrod (Fragrant) = *Solidago odora* (SWEET GOLDENROD) -- VI 393, XIII 361

Goldenrod (Gray) = *Solidago nemoralis* (GRAY GOLDENROD) -- V 317, 448, VI 51, IX 153, XII 448, XIII 69

Goldenrod (Late) = *Solidago flexicaulis* (BROAD-LEAVED GOLDENROD) -- IX 120

Goldenrod (Large Three-ribbed) = *Solidago gigantea* (LATE GOLDENROD)/*Solidago altissima* (TALL GOLDENROD)¹⁴³ -- XII (305)

Goldenrod (Marsh) = *Solidago sempervirens* (SEASIDE GOLDENROD) -- II 354

Goldenrod (Rough) = *Solidago rugosa* (ROUGH-STEMMED GOLDENROD) -- V 362, XII 209

__ (leaf) -- XIII 382

Goldenrod (Seaside) = *Solidago sempervirens* (SEASIDE GOLDENROD) -- VII 434, 439, IX 135, X 462

Goldenrod (Spear-leaved) = *Solidago graminifolia* (LANCE-LEAVED GOLDENROD) -- II 416

Goldenrod (Sweet-scented) = *Solidago odora* (SWEET GOLDENROD) -- II 220

Goldenrod (Tall) = *Solidago rugosa* (ROUGH-STEMMED GOLDENROD) -- IX 241

Goldenrod (Tall Rough) = *Solidago rugosa* (ROUGH-STEMMED GOLDENROD) -- V 454, VIII 73, 425, 465, XII 304, (305), XIII 361, XIV 26

Goldenrod (Three-ribbed) = *Solidago gigantea* (LATE GOLDENROD)/*Solidago altissima* (TALL GOLDENROD)¹⁴³ -- XII 315

__ (meadow) -- XIII 68; __ (wall) -- X 13

Goldenrod (White) = *Solidago bicolor* (SILVERROD) -- II 406, IV 295, 379, 391, 401, 408, V 350, 432, IX 15, 88, 111, 112

Goldenrod (Willow-leaved) = *Solidago juncea* (EARLY GOLDENROD) -- IV 225

Gold-thread = *Coptis groenlandica* (GOLDTHREAD) -- III 463, IV 57, 121, 135, V 144, VI 149, 277, VIII 233, IX 368, XI 18, 37, 60, 61, 327, 342, XIII 300, XIV 26

Goodyera spp. (RATTLESNAKE-PLANTAIN) -- see *Neottia*, Rattlesnake-plantain

Goodyera gracilis = *Spiranthes gracilis* (SOUTHERN SLENDER LADIES'-TRESSES)/*Spiranthes lacera* (NORTHERN SLENDER LADIES'-TRESSES)¹⁴⁴ -- V (351)

Goodyera pubescens (DOWNY RATTLESNAKE-PLANTAIN) -- IV 305, V 347, VI 420, IX 28, 83, X 8, 38

see also *Neottia pubescens*, Rattlesnake-plantain

*Goodyera repens*¹⁴⁵ = *Goodyera tessellata* (CHECKERED RATTLESNAKE-PLANTAIN) -- IV 292, V 351, VI 397, X 9, 38

Goodyera tessellata (CHECKERED RATTLESNAKE-PLANTAIN) -- see *Goodyera repens*, *Neottia repens*

Gooseberry = *Ribes* spp. (GOOSEBERRY)¹⁴⁶ -- III 486, IV 46, 50, 463, V 80, 89, 97, 100, 106, 107, 116, 118, 126, 135, 136, 160, VI 201, 209, 211, 216, 218, 224, 227, 232, 234, 235, 255, 257, 297, 298, 306, 316, 388, 449, VII 133, 299, 321, 328, 330, 357, 375, 378, 504, VIII 392, 418, 419, IX 314, 447, X 395, 405, 481, XI 214, 259, 301, 309, 312, XII 187, XIII 209, 237, 239, 274

___ (blossom) -- V 136; ___ (bush) -- III 474; ___ (leaf) -- IV 52, V 72, VII 67, 320, 324, VIII 12, 307; ___ (leaf-bud) -- VIII 279

Gooseberry (Common Smooth) = *Ribes hirtellum* (SMOOTH GOOSEBERRY) -- VI (449)

Gooseberry (Prickly) = *Ribes cynosbati* (PRICKLY GOOSEBERRY) -- IX 68

Gooseberry (Prickly Branched) = *Ribes lacustre* (BRISTLY BLACK CURRANT) -- VI (449)

Gooseberry (Prickly-fruited) = *Ribes cynosbati* (PRICKLY GOOSEBERRY) -- VI (449)

Gooseberry (Swamp) = *Ribes lacustre* (BRISTLY BLACK CURRANT) -- VIII 382, XI 30

Gooseberry (Swamp) = *Ribes hirtellum* (SMOOTH GOOSEBERRY) -- III 485, V 135, VI 258

Gooseberry (Wild) = *Ribes hirtellum* (SMOOTH GOOSEBERRY) -- III 485, IV 50

Goose-foot = *Chenopodium* spp. (GOOSEFOOT) -- VII 443

Goose-foot (Maple-leaved) = *Chenopodium hybridum* (MAPLE-LEAVED GOOSEFOOT) -- IV 248

Goose-grass = *Polygonum aviculare* (DOORWEED) -- II 504, IV 225, VI 414

Gramineae (GRASS FAMILY) -- XI 153

Grape = *Vitis* spp. (GRAPE)¹⁴⁷ -- i 333, I 286, II 70, 71, 139, 310, 433, 456, 466, 501, 504, III 4, 6, 12, 14, 15, 45, 74, IV 91, 117, 239, 262, 299, 311, 312, 348, 353, 354, 356, 362, 367, V 149, 160, 238, 331, 368, 402, 403, 418, 435, 437, 463, VI 71, 266, 301, 332, 342, 396, 412, 470, 475, VII 5, 23, 24, 27, 52, 53, 454, VIII 114, 421, 450, IX 64, 81, 93, 94, 102, 137, 138, X 37, 50, 59, 67, 106, 135, XI 126, 152, 154, 165, 183, 192, 206, 266, XII 29, 190, 297, 302, 318, 322, 381, XIII 140, 158, 425, XIV 101, 259, 298, 303

__ (bark) -- V 286, 301, VIII 161; __ (bud) -- VII 380; __ (cliff) -- IX 92; __ (cluster) -- IV 138; __ (cutting) -- V 3; __ (-hung) -- X 194; __ (leaf) -- IV 138, VI 457, VII 50, 456, X 58, 60, XI 65, 183, 197, XIII 417, XIV 64; __ (meadow) -- VII 12, VIII 420, X 152; __ (-vine) -- II 490, III 228, 371, IV 89, 258, 261, V 286, 301, 435, 467, VI 425, VIII 448, X 149, XI 88, XII 252, 333, 334; __ (vine bark) -- VII 409, VIII 90, 113, 120, 124, 160, 161, IX 458, X 498, XI 88, XII 18; __ (vine bower) -- V 177; __ (vine branch) -- V 418; __ (vine shred) -- VIII 162

__ (-ing) -- X 59; (a-) __ (-ing) -- VII 24, XI 181, XII 324

Grape (Common Wild) = *Vitis labrusca* (FOX GRAPE)

__ (vine) -- VIII 392

Grape (White) = *Vitis labrusca* forma *alba* (FOX GRAPE) -- I 435

Grass-pink = *Calopogon pulchellus* (GRASS PINK) -- IV 138, 189, 200

Grass-poly = *Decodon verticillatus* (SWAMP LOOSESTRIFE) -- III 36, IV 308

Gratiola = *Gratiola* spp. (HEDGE HYSSOP)¹⁴⁸ -- IV 185, 208, 280, 355, V 299, VI 377, 382, 488, XI 70, XIII 427

see also Hedge-hyssop, Hyssop

Gratiola aurea (GOLDEN HEDGE HYSSOP) -- II 425, XII 305

Green-briar = *Smilax rotundifolia* (COMMON GREENBRIER) -- II 65, IV 83, V 83, 196, 286, 301, 419, 455, VI 131, 281, VII 81, 381, 424, XI 301, 309, XII 382, 383

__ (berry) -- II 139, V 407, VI 104, VII 24, 55, XII 322; __ (flower) -- VII 407; __ (leaf) -- VI 266, VII 27, VIII 13, 21

Green-weed (Dyer's) = *Genista tinctoria* (DYER'S GREENWEED) -- X 246

Greenwood Tree = ¹⁵⁰ -- i 347, I 299

Ground-nut = *Apios americana* (GROUNDNUT) -- I 425, II 42, 410, 415, 434, IV 243, 298, 338, 384, 491, V 353, VI 415, VII 425, IX 56, X 19, XI 139, 304, XII 333, 358, 383, 385

Ground-pine = *Lycopodium obscurum* (TREE CLUBMOSS) -- IV 195

Groundsel = *Erechtites hieracifolia* (PILEWORT) -- II 490, III 12, IV 348, 358

GROUNDSEL (COMMON) = *Senecio vulgaris*

Groundsel (Hawkweed) = *Erechtites hieracifolia* (PILEWORT) -- II 427

Gum-tree = *Nyssa sylvatica* (BLACK TUPELO) -- II 350, IX 139

Gymnadenia = *Habenaria clavellata* (GREEN WOOD ORCHIS) -- VI 412, VIII 466

Gymnadenia tridentata = *Habenaria clavellata* (GREEN WOOD ORCHIS) -- V 315

Gymnadenia = *Habenaria clavellata* (GREEN WOOD ORCHIS) -- XII 326

Gymnostichum Grass = *Hystrix patula* (BOTTLEBRUSH GRASS) -- XII 223

Gymnostichum hystrix = *Hystrix patula* (BOTTLEBRUSH GRASS) -- XI 154

Habenaria spp. (REIN ORCHIS) -- see Orchis

Habenaria blephariglottis (WHITE FRINGED ORCHIS) -- see Orchis (White), Orchis (White Fringed), *Platanthera blephariglottis*

Habenaria clavellata (GREEN WOOD ORCHIS) -- see *Gymnadenia*, *Gymnadenia tridentata*, *Gymnadenia*

Habenaria dilatata (WHITE BOG ORCHIS) -- see *Platanthera dilatata*

Habenaria fimbriata (LARGER PURPLE FRINGED ORCHIS) -- see Orchis (Great), Orchis (Great Fringed), Orchis (Great Purple Fringed), Orchis (Large Purple), Orchis (Purple), *Platanthera fimbriata*

Habenaria flava (TUBERCLED ORCHIS) -- see *Platanthera flava*

Habenaria hookeri (HOOKER'S ORCHIS) -- see *Platanthera hookeri*

Habenaria lacera (RAGGED FRINGED ORCHIS) -- see *Orchis lacera*, *Orchis* (Ragged), *Platanthera lacera*

Habenaria macrophylla (LARGE ROUND-LEAVED ORCHIS) -- see *Platanthera orbiculata*

Habenaria obtusata (BLUNT-LEAVED ORCHIS) -- see *Platanthera obtusata*

Habenaria orbiculata (ROUND-LEAVED ORCHIS) -- see *Platanthera orbiculata*

Habenaria psycodes (SMALLER PURPLE FRINGED ORCHIS) -- see *Orchis psycodes*, *Orchis* (Smaller Fringed), *Orchis* (Small Purple), *Orchis* (Small Purple Fringed)

HACKBERRY (COMMON) = *Celtis occidentalis*

Hackelia virginiana (VIRGINIA STICKSEED) -- see Beggar's-lice, *Cynoglossum morisoni*

Hair Grass = *Agrostis perennans* (UPLAND BENT GRASS) -- XI 146, 150

Halenia = *Halenia deflexa* (SPURRED GENTIAN) IX 498

Halenia deflexa (SPURRED GENTIAN) -- see *Gentian* (Spurred)

Hamamelis virginiana (WITCH-HAZEL) -- IV 361

see also Witch-hazel

Hardhack = *Spiraea tomentosa* (HARDHACK) -- II 309, 324, 330, 363, 370, 396, 411, 415, 450, 487, III 188, 463, IV 56, 187, 199, 232, 280, V 57, 160, 318, 341, VI 98, 235, 298, 302, 394, 419, 448, 477, 489, VII 9, 46, 127, 352, VIII 81, 86, 305, 426, IX 4, 7, 240, X 93, XI 102, 108, 116, 128, 241, XII 301, 402, XIII 30, 32, 256, XIV 9, 19, 31, 262

___ (head) -- XI 336; ___ (leaf) -- IV 174, VI 418, XII 259; ___ (pyramid) -- V 336; ___ (stem) -- VI 267

Harebells = *Campanula rotundifolia* (HAREBELL) -- IX 66, XI 3, XII 343

Harebell (Clasping) = *Specularia perfoliata* (VENUS' LOOKING-GLASS) -- II 286

Haw = *Crataegus* spp. (HAWTHORN) -- IV 361, 362, V 403, 481, VII 520, IX 90, 104, X 26, 35, 63, XI 79, XII 304, 322, 324, XIV 278

Haw (Black) = *Viburnum prunifolium* (BLACK HAW) -- IX 135

Hawkweed = *Hieracium* spp. (HAWKWEED) -- II 417, IV 43, 131, 485, V 8, XIV 122

Hawkweed (Panicked) = *Hieracium paniculatum* (PANICLED HAWKWEED) -- III 44, 46

Hawkweed (Rough) = *Hieracium scabrum* (ROUGH HAWKWEED) -- II 332, III 46, IV 336, 382, V 362, VII 498

Hawkweed (Veiny-leaved) = *Hieracium venosum* (RATTLESNAKE WEED) -- II 69, 266, IV 117, 131, 376, 379, VI 323, 358, X 507, XII 210

Hawthorn = *Crataegus* spp. (HAWTHORN) -- IV 212, VII 420, XI 261, 272, 294, 301

Hawthorn (English) = *Crataegus oxyacantha* (ENGLISH HAWTHORN)¹⁰⁰ -- VI 283, VIII 362, 365, IX 414

Hazel = *Corylus* spp. (HAZELNUT) -- I 450, III 400, 423, 437, 464, IV 26, 367, V 5, 26, 44, 56, 76, 89, 125, 126, 160, 419, 448, 457, 475, VI 188, 190, 192, 193, 229, 235, 243, 280, 298, 428, VII 56, 293, 329, 330, 518, VIII 113, 243, 268, 269, 273, 276, 352, IX 494, X 81, 343, XI 165, 336, XII 85, 133, 290, XIII 244, 338, XIV 128, 262

__ (bloom) -- V 92; __ (blossom) -- III 60; __ (bur) -- XIV 294; __ (bush) -- IV 362, V 408, X 98, XI 122, 168, 307, XII 320, XIV 259, 269; __ (catkin) -- III 445, VI 216, 241, VII 305, IX 303, 330, XIII 202, 207, 209; __ (grove) -- XI 144; __ (harvest) -- XI 133; __ (leaf) -- i 150, I 161, VI 409, X 57; __ (shoot) -- XII 291; __ (stigma) -- V 80, VI 186, X 325

Hazel (Beaked) = *Corylus cornuta* (BEAKED HAZELNUT) -- VI 298, 431, VIII 448, IX 332, 408, 494

__ (blossom) -- V 83; __ (stigma) -- VI 191

Hazel (Common) = *Corylus americana* (AMERICAN HAZELNUT) -- V 475, VII 305, VIII (413), XI 206

__ (bur) -- XI 154

Hazelnut = *Corylus* spp. (HAZELNUT) -- II 108, 395, IV 231, 292, 300, V 152, 391, VI 428, 437, 462, 483, VII 4, 459, VIII 127, IX 32, 61, 102, XI 122, 132, 133, 143, 144, 158, 193, XII 318, 322, XIV 147, 173, 274, 294

___ (bur) -- VI 378, VIII 425, XI 155, 189; ___ (bush) -- XI 143, XIV 177; ___ (husk) -- IV 261, VI 433; ___ (shell) -- X 213; ___ (time) -- VI 489

(a-) ___(-ing) -- XI 142

Hazelnut (Beaked) = *Corylus cornuta* (BEAKED HAZELNUT) -- V 419, XI 154, (193)

Hazelnut (Shaggy) = *Corylus americana* (AMERICAN HAZELNUT) -- V 331

HEAL-ALL = *Prunella vulgaris*

Heart-leaf = *Nymphoides cordata* (FLOATING-HEART) -- IV 309, 321, 325, V 211, 251, 296, 297, 300, 311, 315, 318, 486, VI 285, 352, 391, 406, 452, VII 13, 34, VIII 413, 431, X 21, XI 154, 160, XII 230, 262, 263, 267, 293, 303, XIII 409, 412

___ (flower) -- IV 216, VI 421, XII 223; ___ (pond) -- V 301; ___ (root) -- V 511

Heath Family = *Ericaceae* (HEATH FAMILY) -- III 414

HEATH (MOUNTAIN) = *Phyllodoce caerulea*

HEATHER = *Calluna vulgaris*

Hedeoma pulegioides (AMERICAN PENNYROYAL) -- IV 268

see also Pennyroyal

Hedera helix (ENGLISH IVY) -- see Ivy

Hedgehog Grass = ¹⁵¹ -- VI 382

Hedgehog Grass = *Hystrix patula* (BOTTLEBRUSH GRASS) -- XI 154

Hedgehog Sedge = *Cyperus esculentus* (YELLOW NUTGRASS) -- XI 116

Hedge-hyssop = *Gratiola* spp. (HEDGE HYSSOP)¹⁴⁸ -- VI 456, VII 451, XII 208

Hedge-mustard = *Sisymbrium officinale* (HEDGE MUSTARD) -- IV 93, 378, 393, 405, V 189, 451, 475, 500, VI 348, VIII 9, IX 114

Hedge-nettle = *Stachys* spp. (HEDGE-NETTLE)¹⁵² -- II 424, IV 229, 298, V 313

Hedyotis = *Houstonia* spp. (HOUSTONIA) -- IV 257, V 173, 244, VI 394

Hedyotis caerulea = *Houstonia caerulea* (BLUETS) -- IV 28, 49, V 116, XI 30

Hedyotis longifolia = *Houstonia longifolia* (LONG-LEAVED HOUSTONIA) -- IV 159, VI 404, 410, X 24

Hedysarum = *Desmodium* spp. (TICK-TREFOIL) -- VI 489

Hedysarum (Panicled) = *Desmodium paniculatum* (PANICLED TICK-TREFOIL) -- IV 305

Hedysarum paniculatum = *Desmodium paniculatum* (PANICLED TICK-TREFOIL) -- II 490

Hedysarum (Pointed-leaved) = *Desmodium glutinosum* (POINTED-LEAVED TICK-TREFOIL) -- IV 229

Helianthemum bicknellii (HOARY FROSTWEED) -- see *Helianthemum canadense*

Helianthemum canadense (ROCK-ROSE)¹⁵³ -- V 342

see also Cistus, Frostweed, Rock-rose

Helianthus = *Helianthus* spp. (SUNFLOWER) -- VI 370, VIII 463, 464, IX 60, 66, 476, X 9, XI 94, 133, XII 305

see also Sunflower

Helianthus annuus (COMMON SUNFLOWER) -- IV 271, XII 305

see also Sunflower (Great)

Helianthus (Broad-leaved) = *Helianthus decapetalus* (THIN-LEAVED SUNFLOWER) -- XI 99

Helianthus (Cut-toothed) = *Helianthus decapetalus* (THIN-LEAVED SUNFLOWER) -- IX 65

Helianthus decapetalus (THIN-LEAVED SUNFLOWER) = IX 34, 62, 65, 66, 79, XI 133, XII 305

see also Helianthus (Broad-leaved), Helianthus (Cut-toothed)

Helianthus divaricatus (WOODLAND SUNFLOWER) -- II 407, IV 271, VIII 463, IX 54, 62, XI 94, 100, XII 305

see also Sunflower (Rough), Sunflower (Small), Sunflower (Small Rough)

Helianthus giganteus (TALL SUNFLOWER) -- IX 62

Helianthus strumosus (PALE-LEAVED SUNFLOWER) -- VIII 463, IX 62

___ (-like) -- X 9

Helianthus trachelifolius (THROATWORT SUNFLOWER) -- XI 94

Helianthus tuberosus (JERUSALEM ARTICHOKE) -- VII 52, IX 99

see also Artichoke, Artichoke (Jerusalem)

Heliotrope = *Heliotropium* spp. (HELIOTROPE) -- IV 27

Hellebore = *Veratrum viride* (FALSE HELLEBORE) -- II 305, III 486, IV 104, V 139, 149, 194, 244, VI 209, 211, 236, 243, 337, 338, 378, 400, 417, 421, 430, VII 352, 377, VIII 240, 301, 426, IX 409, 412, XI 23, 25, 60, 61, 119, XII 218, 304, XIII 217, 260, 382

___ (bud) -- XII 133; ___ (leaf) -- V 282, VIII 296

Hellebore (American) = *Veratrum viride* (FALSE HELLEBORE) -- III 432

Hemerocallis fulva (DAY LILY) -- see Lily (Great Orange), Lily (Great Orange- yellow), Lily (Large Orange)

Hemlock = *Cicuta maculata* (WATER HEMLOCK, SPOTTED COWBANE) -- II 311, V 318

Hemlock = *Tsuga canadensis* (EASTERN HEMLOCK) -- i 22, 61, 354, 458, I 65, 308, II 153, 199, III 91, 94, 96, 141, 151, 229, 294, 374, 375, 451, IV 34, 345, 370, V 64, 123, 160, 174, 224, 284, VI 64, 180, 181, 186, 280, 284, 286, 301, 323, VII 64, 180, 266, 286, 299, 300, 312, 364, 403, 405, 522, 525, VIII 49, 61, 78, 109, 111, 136, 161, 163, 186, 332, 352, 359, 386, 396, IX 113, 114, 267, 306, 383, 489, 497, X 26, 39, 50, 86, 114, 119, 123, 212, 281, 315, 341, 463, 464, 505, XI 15, 59, 233, 257, 290, 368, 394, 400, XII 99, 100, 201, 272, 315, 350, 442, 446,

XIII 10, 20, 32, 87, 97, 103, 158, 189, 245, 246, 320, 330, 335, 374, XIV 26, 115, 134, 164, 165, 206, 225, 247, 263

__ (bank) -- VI 182, X 100; __ (bark) -- X 244; __ (bead-work) -- XIII 330; __ (bough) -- VI 134, VII 168, X 42; __ (cone) -- V 6, VII 144, VIII 15, 137, 155, XIII 246, XIV 101, 132; __ (fall) -- VIII 21; __ (-fan) -- VI 332; __ (grove) -- VIII 405; __ (knot) -- II 114, VIII 187; __ (leaf) -- III 451, VIII 21, 271, X 40, 77, 100, 280, XII 324; __ (-like) -- XI 91; __ (plain) -- VIII 309; __ (pollen) -- VII 387; __ (scale) -- XIII 32, 67; __ (seed) -- V 463, IX 114, 221, XII 376, XIII 67, 79, 97; __ (spray) -- X 184; __ (stump) -- VII 232, 263, 267, 521, 525, XIV 177; __ (top)-- XIII 77; __ (twig) -- IV 150, VII 364, 428, VIII 111, 175, IX 267, XI 14, 400; __ (woods) -- V 229

Hemlock (American) = *Cicuta maculata* (WATER HEMLOCK, SPOTTED COWBANE) -- II 227, IV 187

Hemlock (Ground) = *Taxus canadensis* (AMERICAN YEW) -- IV 302, 345, IX 68

Hemlock (Poison) = ¹⁵⁴ -- II 153

Hemp = ¹⁵⁵ -- II 388

Hemp = *Cannabis sativa* (HEMP) -- II 390, IV 323, 490, VIII 449, IX 66, 78, XI 109

Hemp (Indian) = *Apocynum cannabinum* (INDIAN HEMP)¹⁶ -- IX 53, 55, 60

__ (bark) -- VIII 466

Hemp-nettle (Common) = *Galeopsis tetrahit* (HEMP NETTLE) -- IV 298

HEMPWEED (CLIMBING) = *Mikania scandens*

Henbane = *Hyoscyamus niger* (HENBANE) -- i 235, I 180, XII 341

Henbit = *Lamium amplexicaule* (HENBIT) -- V 161

Hepatica = *Hepatica* spp. (HEPATICA) -- VIII 341

Hepatica acutiloba (SHARP-LOBED HEPATICA) -- IX 80

Hepatica americana (ROUND-LOBED HEPATICA) -- see *Hepatica triloba*

Hepatica triloba = *Hepatica americana* (ROUND-LOBED HEPATICA) -- III 475, IX 65, 79, 80, XIV 337

Heracleum lanatum = *Heracleum maximum* (COW PARSNIP) -- XI 24, 28, 30, 51, 60

Heracleum maximum (COW PARSNIP) -- see *Heracleum lanatum*

Herb of St. Barbara = *Barbarea vulgaris* (COMMON WINTER CRESS) -- V 177, IX 368, X 407

Herb-Robert = *Geranium robertianum* (HERB ROBERT) -- IX 409, XI 172

Herd's-grass = *Phleum pratense* (COMMON TIMOTHY)¹⁵⁶ -- i 31, I 31, IV 130, 199, V 68, VI 344, VII 383, VIII 409, X 149, XII 217, 223, XIII 377, 397, 399, 401, 403

___ (head) -- V 247; ___ (spike) -- XII 203; ___ (stem) -- II 312

Herd's-grass (Thin) = *Agropyron repens* (QUACK GRASS)/*Agropyron trachycaulum* (SLENDER WHEATGRASS)² -- XIII 223

Hibiscus = *Hibiscus palustris* (SWAMP ROSE-MALLOW) -- IV 299, V 338, 339, 362, 373, VI 424, VII 42, IX 99, XI 121, XII 210, 252, 255, XIV 74

___ (excursion) -- IV 302; ___ (flower) -- IV 301; ___ (seed) -- V 437

Hibiscus (Marsh) = *Hibiscus palustris* (SWAMP ROSE-MALLOW) -- IV 297

Hibiscus moscheutos = *Hibiscus palustris* (SWAMP ROSE-MALLOW) -- IV 297

Hibiscus palustris (SWAMP ROSE-MALLOW) -- see Hibiscus, *Hibiscus moscheutos*

Hickory = *Carya* spp. (HICKORY) -- I 380, II 9, 73, 85, 114, 197, 198, 305, 500, III 35, 111, 228, 292, IV 26, 42, 64, 102, 117, 301, 362, 379, 385, 395, 444, V 134, 146, 160, 168, 170, 178, 211, 218, 223, 275, 447, 450, 463, VI 3, 143, 239, 264, 280, 281, 289, 304, 321, 351, 418, 440, 457, 470, 487, VII 55, 374, 378, 387, 472, 502, 518, 524, VIII 90, IX 117, 144, 344, 393, 408, X 40, 56, 64, 67, 68, 79, 84, 90, 120, 210, 450, XI 88, 197, 198, 203, 207, 212, 219, 220, 230, 238, 243, 249, 279, 298, 318, 333, 356, XII 157, 291, 369, 384, XIII 311, 312, 329, 340, 402, 415, XIV 93, 94, 98, 99, 105, 121, 125, 134, 135, 150, 176, 178, 221, 243, 258, 261, 280, 285, 286, 287, 288, 289, 290, 291

___ (bark) -- V 260; ___ (blossom) -- VIII 89, 90; ___ (bud) -- II 12, 196, III 474, IV 43, V 117, 129, 149, 169, IX 380, 390; ___ (catkin) -- V 276, 307; ___ (grove) -- V 338; ___ (leaf) -- II 265, IV 104, V 350, VIII 360, 467, IX 108, X 120; ___ (leafet) -- VIII 337; ___ (log) -- VIII 187; ___ (nut) -- III 130, IV 361, XII 383, XIII 33; ___ (root) --

XIV 291; __ (sap) -- VIII 215; __ (sprout) -- IV 227, VII 512, X 120; __ (sprout stump) -- XIV 253; __ (stake) -- X 223; __ (stick) -- XI 402; __ (stump) -- VI 136, XIV 241, 252; __ (top) -- XI 334; __ (tree) -- II 67, IX 387; __ (twig) -- XII 158; __ (wood) -- XIV 94

see also Walnut

Hickory (Mockernut) = *Carya tomentosa* (MOCKERNUT HICKORY) -- II 201, IV 361, VI 301

__ (nut) -- V 481

Hickory (Pignut) = *Carya glabra* (PIGNUT HICKORY)/*Carya ovalis* (SWEET PIGNUT HICKORY)² -- VI 301, XIII 79

Hieracium = *Hieracium* spp. (HAWKWEED) -- IV 68, 265, 304, 319, 358, V 338, 450, VI 372, X 31, XII 305

see also Hawkweed

Hieracium canadense (CANADA HAWKWEED) -- II 397, IV 310, V 363, 407, VI 415, VIII 426, IX 6, 97, XI 129, XII 305

see also *Hieracium kalmii*

Hieracium gronovii (HAIRY HAWKWEED)¹⁵⁷ -- IV 131, 292, 304, 319, 379, V 317, 450, VI 358, 435, VIII 432

Hieracium kalmii = *Hieracium canadense* (CANADA HAWKWEED) -- II 397, IV 304

Hieracium marianum = *Hieracium scabrum* (ROUGH HAWKWEED) -- II 397

Hieracium (Panicked) = *Hieracium paniculatum* (PANICLED HAWKWEED) -- IV 265, V 361

Hieracium paniculatum (PANICLED HAWKWEED) -- II 416, IV 286, V 407, VI 420, VIII 436, XI 201, XII 305

see also Hawkweed (Panicked), Hieracium (Panicked)

Hieracium scabrum (ROUGH HAWKWEED) -- II 397, IV 131, 282, VI 420, 435, VIII 448, IX 107, XI 129, 201, XII 305

see also Hawkweed (Rough), *Hieracium marianum*

Hieracium (Veiny-leaved) = *Hieracium venosum* (RATTLESNAKE-WEED) -- IV (304), VIII 376

Hieracium venosum (RATTLESNAKE-WEED) -- II 69, 266, IV 338, V 213, VI 372, VIII 432, IX 111

see also Hawkweed (Veiny-leaved), *Hieracium* (Veiny-leaved), Rattlesnake-weed

Hieracium alpina (ALPINE SWEET GRASS) -- see Vanilla Grass

High-water Shrub = *Iva frutescens* (MARSH ELDER) -- VII 480

Hip = *Rosa* spp. (ROSE) -- IV 432, 441, V 377, 417, 464, 495, VI 87, 132, 311, 478, VII 19, VIII 72, IX 30, 63, 104, XI 79, 125, 455, XIV 278

Hobble-bush = *Viburnum alnifolium* (HOBBLEBUSH) -- IV 344, VIII 381, IX 68

HOG-PEANUT = *Amphicarpa bracteata*

Hogweed = *Ambrosia artemisiifolia* (COMMON RAGWEED) -- VI 63

Holcus lanatus (VELVET GRASS) -- XII 216, XIII 376, 425

Holly = *Nemopanthus mucronata* (MOUNTAIN HOLLY) -- IV 281, X 196

___ (berry) -- IV 347, V 316, 342, 364, VIII 448

Holly (American) = *Ilex opaca* (AMERICAN HOLLY) -- II 348, VII 91, VIII 385

HOLLY FERN (BRAUN'S) = *Polystichum braunii*

Holly (Wild) = *Nemopanthus mucronata* (MOUNTAIN HOLLY) -- II 61, 206, V 341, VI 281, XI 241, XIII 427, XIV 26, 28, 32, 44

___ (berry) -- IV 281, VI 405; ___ (fruit) -- II 375

Hollyhock = *Althaea rosea* (HOLLYHOCK) -- IV 297

HONEWORT = *Cryptotaenia canadensis*

Honeysuckle = *Diervilla lonicera* (BUSH-HONEYSUCKLE) -- VI 224

Honeysuckle = *Lonicera* spp. (HONEYSUCKLE) -- VI 332

___ (vine) -- VI 209, 211

Honeysuckle (Fly) = *Lonicera canadensis* (AMERICAN FLY HONEYSUCKLE) -- II 266

Honeysuckle (Hairy) = *Lonicera hirsuta* (HAIRY HONEYSUCKLE) -- IV 362

Honeysuckle (Mountain) = *Aquilegia canadensis* (WILD COLUMBINE) -- III 298

Honeysuckle (Mountain Fly) = *Lonicera villosa* (MOUNTAIN FLY HONEYSUCKLE) -- XI 23

Honkenya = *Arenaria peploides* (SEABEACH SANDWORT) -- IX 415

Honkenya peploides = *Arenaria peploides* (SEABEACH SANDWORT) -- VII 433

Hoopwood (tree) = *Fraxinus nigra* (BLACK ASH) -- I 435

Hop = *Humulus lupulus* (COMMON HOP) -- VI 266

Hop-hornbeam = *Ostrya virginiana* (EASTERN HOP-HORNBEAM) -- IV 19, 34, V 123, 457, VI 485, VII 376, XI 208, 233, XIV 7

Hop Sedge = *Carex lupulina* (HOP SEDGE) -- VIII 423

Hordeum vulgare (BARLEY) -- see Barley (French)

Horehound = *Lycopus* spp. (BUGLEWEED) -- IV 237, 396, VII 513, XI 232

Horehound (Water) = *Lycopus* spp. (BUGLEWEED) -- II 401, V 314, IX 197, XIII 78

Hornbeam = *Carpinus caroliniana* (AMERICAN HORNBEAM) -- II 142, 201, III 128, 129, 227, 375, 411, IV 26, 50, V 138, 160, VI 3, 249, 256, 299, 300, VII 134, IX 139, X 70, 217, XI 22, 308, XII 376, XIV 240

Hornbeam (Hop) = *Ostrya virginiana* (EASTERN HOP-HORNBEAM) -- XI 208

Hornbeam (Swamp) = *Nyssa sylvatica* (BLACK TUPELO) -- II 350

Hornwort = *Ceratophyllum* spp. (HORNWORT) -- VI 448, 450, VIII 20, XI 71

HORSE BALM = *Collinsonia canadensis*

Horse-chestnut = *Aesculus hippocastanum* (COMMON HORSECHESTNUT) -- II 360, IV 35, 70, V 161, VI 235, 251, 274, 298, VII 340, 358, VIII 324, IX 379, X 439, XI 234, 257, 261, 289, 301, XII 290, 358

___ (bud) -- IV 26; ___ (leaf) -- XIV 100

Horsemint = *Mentha arvensis* (WILD MINT) -- II 415, III 39, IV 37, 233, 291, V 323, 339, VI 238, 382, 384, VII 344, 452, VIII 414, 466, XIII 291

Horse-radish = *Armoracia lapathifolia* (HORSERADISH) -- V 222, VI 303, VIII 361, X 440

Horsetail = *Equisetum* spp. (HORSETAIL) -- V 229, 301, VI 153, XIV 221

Horsetail (Field) = *Equisetum arvense* (FIELD HORSETAIL) -- III 468, V 112, 116, VI 230

Horsetail (Wood) = *Equisetum sylvaticum* (WOOD HORSETAIL) -- IV 77, V 315

Horseweed = *Collinsonia canadensis* (HORSE BALM) -- II 434

Hound's-tongue = *Cynoglossum officinale* (HOUND'S TONGUE) -- IV 109, 258, IX 5

Hound's-tongue (Clasping) = *Cynoglossum virginianum* (WILD COMFREY) -- X 481

___ (seed) -- XI 149

Hound's-tongue (Common) = *Cynoglossum officinale* (HOUND'S TONGUE) -- IV 104

House-leek = *Sedum telephium* (LIVE-FOREVER)/*Sedum purpureum* (LIVE-FOREVER)² -- IV 268

House-leek = *Sempervivum tectorum* (HOUSELEEK) -- V 135, VI 324, VIII 445, 446, XI 157, XIII 334

___ (blossom) -- X 88; ___ (brook) -- IX 56; ___ (rock) -- VIII 357

Houstonia = *Houstonia* spp. (HOUSTONIA)¹⁵⁸ -- i 85, 357, I 94, 311, II 181, 260, 431, 482, III 65, 379, IV 28, 66, 75, 159, 276, 302, 378, 406, V 112, 153, 163, 179, 324, 357, VI 210, 229, 248, VII 518, VIII 353, XIII 278

see also Hedyotis, Oldenlandia

Houstonia caerulea (BLUETS) -- see Bluets, *Hedyotis caerulea*, *Houstonia*, *Oldenlandia caerulea*

Houstonia longifolia (LONG-LEAVED HOUSTONIA) -- see *Hedyotis longifolia*, *Oldenlandia purpurea* var. *longifolia*

Huckleberry = *Gaylussacia* spp. (HUCKLEBERRY)¹⁵⁹ -- i 134, 317, 405, I 88, 268, II 61, 62, 73, 194, 308, 319, 375, 385, 422, 498, III 35, 452, IV 62, 132, 158, 159, 177, 224, 276, 279, 283, 300, 307, 361, 367, 378, 386, V 157, 228, 240, 269, 288, 322, 330, 339, 349, 356, 358, 435, 436, 443, VI 163, 278, 282, 286, 309, 310, 325, 349, 381, 390, 393, 403, 412, 416, 419, 424, 426, 434, 435, 437, 478, 489, VII 84, 95, 96, 383, 393, 511, VIII 355, 402, 409, 421, 436, 445, IX 7, 10, 11, 31, 41, 42, 43, 56, 69, 111, 113, 126, 452, X 21, 36, 49, 67, 68, 88, 106, 112, 154, 333, 439, XI 65, 75, 78, 81, 239, 316, XII 208, 262, 297, 322, 351, XIII 359, 427, XIV 14, 67, 93, 101, 103, 153, 191, 269, 273, 274, 295, 297, 299, 300, 309, 310,

__ (ante-) __ (season) -- IV 115; __ (-apple)¹⁶⁰ -- V 228, 249, 269, VI 337, 349; __ (blossom) -- IV 90, V 229, IX 465; __ (bud) -- VIII 295; __ (bush) -- i 469, I 450, II 303, 305, 416, 432, III 15, 22, 28, 391, IV 132, 166, 224, 359, V 224, 360, VII 66, 370, 412, VIII 447, IX 11, 125, 404, X 56, 155, 451, XI 84, 199, 212, 300, XII 41, 348, XIII 400, XIV 130, 144, 152, 153, 215, 262; __ (cake) -- XIV 308; __ (crop) -- IX 86; __ (field) -- II 40, IV 133, XI 78, XII 299, 300, 387, XIV 8, 100, 295; __ (flock) -- XII 385; __ (hill) -- II 323, VI 425, XII 299, XIV 300; __ (interest) -- XIV 282; __ (leaf) -- IV 69, V 163, IX 8, 25, XI 202; __ (pasture) -- III 45, V 239, VIII 265, IX 102, XI 55, 245, XIV 299; __ (people) -- XIV 300; __ (picker) -- XIV 295; __ (porridge) -- XIV 308; __ (pudding) -- IV 159, XII 299; __ (root) -- XIV 122; __ (season) -- XI 98; __ (seed) -- XIV 92; __ (size) -- XIV 15; __ (stem) -- XII 40; __ (time) -- III 238; __ (tribe) -- II 53; __ (twig) -- XI 336, 357

(a-) __ (-ing) -- IX 44, XII 333, 400, XIV 274; __ (-ing) -- IV 247, VII 452, IX 87, X 146, XII 146, XIV 78, 303

Huckleberry (Black) = *Gaylussacia baccata* (BLACK HUCKLEBERRY) -- IV 90, V 310, VI 301, VIII 445

Huckleberry (Common) = *Gaylussacia baccata* (BLACK HUCKLEBERRY) -- VI 284

Huckleberry (Common Blue) = *Vaccinium vacillans* (LATE LOW BLUEBERRY) -- VI 387

Huckleberry (Hairy) = *Gaylussacia dumosa* (DWARF HUCKLEBERRY) -- IX 42, 43, 394, X 197, XI 148, XII 238, 257, XIV 67, 298

Huckleberry (Red) = *Gaylussacia baccata* forma *leucocarpa* (BLACK HUCKLEBERRY) -- I 435, IV 462, V 333, 352, 354, VII 9, IX 7, 91, 371, 409, 411, 479, XII 313

Huckleberry (Squaw) = *Vaccinium stamineum* (DEERBERRY) -- V 421

Huckleberry (Tall) = *Vaccinium corymbosum* (COMMON HIGHBUSH BLUEBERRY)/*Vaccinium atrococcum* (BLACK HIGHBUSH BLUEBERRY)⁴⁷ -- VI 312

Huckleberry (Tall Swamp) = *Vaccinium corymbosum* (COMMON HIGHBUSH BLUEBERRY)/*Vaccinium atrococcum* (BLACK HIGHBUSH BLUEBERRY)⁴⁷ -- XII 191

Huckleberry (White) = *Gaylussacia baccata* forma *leucocarpa* (BLACK HUCKLEBERRY) -- IV 462, V 333, 352

Hudsonia = *Hudsonia* spp. (HUDSONIA) -- VIII 12

see also Poverty Grass

Hudsonia ericoides (GOLDEN HEATHER) -- VII 435, IX 427, 429, 444

Hudsonia tomentosa (FALSE HEATHER) -- VII 435, IX 421, 427, 444

Humulus lupulus (COMMON HOP) -- see Hop

Husk-root = *Aletris farinosa* (COLICROOT) -- VIII 391, IX 319

Hydrocotyle = *Hydrocotyle americana* (WATER PENNYWORT) -- V 314, VI 378, VIII 410

___ (field) -- VIII 426

Hydrocotyle americana (WATER PENNYWORT) -- IV 311

see also Hydrocotyle

Hydrocotyle interrupta = *Hydrocotyle verticillata* (WHORLED WATER PENNYWORT) -- VIII 387

Hydrocotyle verticillata (WHORLED WATER PENNYWORT) -- see *Hydrocotyle interrupta*

Hydrocotyle vulgaris = *Hydrocotyle verticillata* (WHORLED WATER PENNYWORT) -- VIII 387

Hydropeltis = *Brasenia schreberi* (WATER SHIELD) -- VIII 423

__ (leaf) -- VIII 424

Hyoscyamus niger (HENBANE) -- see Henbane

Hypericum = *Hypericum* spp. (ST. JOHN'S-WORT) -- II 396, 451, III 91, IV 429, V 98, 226, VI 462, 476, 488, VIII 411, 420, 426, 427, 465, IX 9, 84, 126, XII 41, 305, 376

__ (stem) -- X 498

see also John's-wort, St. John's-wort

Hypericum angulatum = *Hypericum denticulatum* (COPPERY ST. JOHN'S-WORT)¹⁶¹ -- VIII 446

Hypericum angulosum = *Hypericum denticulatum* (COPPERY ST. JOHN'S-WORT)¹⁶¹ -- VIII 426, 427, 428, 462, IX 55, 98

Hypericum boreale (NORTHERN ST. JOHN'S-WORT) -- see *Hypericum mutilum*

Hypericum canadense (CANADA ST. JOHN'S-WORT) -- II 389, 406, IV 232, V 315, 329, VI 381, VIII 411, 419, 426, 427, 428, 446, IX 6, 9, 29, 98, XII 376

see also Johnswort (Narrow-leaved)

Hypericum corymbosum = *Hypericum punctatum* (SPOTTED ST. JOHN'S-WORT) -- IV 279, V 336, VI 383, 387, 390, VIII 420, 426, 428, IX 9, 35, 482

Hypericum ellipticum (PALE ST. JOHN'S-WORT) -- IV 171, V 287, 314, VI 374, 394, VIII 419, 426, 428, 441, IX 9, 494, XII 217, 218

Hypericum gentianoides (PINEWEED) -- see *Hypericum sarothra*, *Sarothra*, *Sarothra gentianoides*

Hypericum majus (LARGER CANADA ST. JOHN'S-WORT) -- see *Hypericum angulatum*,
Hypericum angulosum

Hypericum mutilum (DWARF ST. JOHN'S-WORT)¹⁶² -- IV 267, 277, 300, V 315, 406,
VIII 411, 426, 427, 428, 446, 462, IX 9, 29, XII 376

see also *Hypericum* (Small-flowered), St. John's-wort (Small)

Hypericum perforatum (COMMON ST. JOHN'S-WORT) -- V 98, 287, 336, VI 351, VIII
426, 428, IX 9, 35

see also Johnswort (leaf), Johnswort (Common), Johnswort (Radical), St. John's-wort
(Common)

Hypericum prolificum = *Hypericum spathulatum* (SHRUBBY ST. JOHN'S-WORT) -- X 44

Hypericum punctatum (SPOTTED ST. JOHN'S-WORT) -- see *Hypericum corymbosum*

Hypericum sarothra = *Hypericum gentianoides* (PINEWEED) -- IV 274, V 315, VIII 414,
422, 426, 427, 428, IX 9

Hypericum (Small) = *Hypericum mutilum* (DWARF ST. JOHN'S-WORT)/*Hypericum*
boreale (NORTHERN ST. JOHN'S-WORT)² -- IV 356

Hypericum (Small-flowered) = *Hypericum mutilum* (DWARF ST. JOHN'S-
WORT)/*Hypericum boreale* (NORTHERN ST. JOHN'S-WORT)² -- IV 271, VI 382, 390

Hypericum (Small Linear-leaved) = *Hypericum canadense* (CANADA ST. JOHN'S-WORT)
-- V 329

Hypericum spathulatum (SHRUBBY ST. JOHN'S-WORT) -- see *Hypericum prolificum*

Hypericum virginicum (MARSH ST. JOHN'S-WORT) -- II 425, 458, III 64

see also Elodea, *Elodea virginica*

Hypopitys = *Monotropa hypopithys* (PINESAP) -- VIII 466, X 30, 69, XI 100

Hypopitys lanuginosa = *Monotropa hypopithys* (PINESAP) -- V 343

Hypoxis erecta = *Hypoxis hirsuta* (YELLOW STARGRASS) -- II 266, IV 74, 257, VIII
357

Hypoxis hirsuta (YELLOW STARGRASS) -- see Bethlehem-star, Bethlehem-star (Yellow),
Hypoxis erecta

Hyssop = *Gratiola* spp. (HEDGE HYSSOP)¹⁴⁸ -- V 323

Hyssop (Hedge) = *Gratiola aurea* (GOLDEN HEDGE HYSSOP) -- II 425

Hystrix patula (BOTTLEBRUSH GRASS) -- see *Gymnostichum* Grass, *Gymnostichum hystrix*

Iberis umbellata = *Iberis amara* (CANDYTUFT) -- VIII 409

Ictodes foetidus = *Symplocarpus foetidus* (SKUNK CABBAGE) -- II 158

Ilex spp. (WINTERBERRY) -- see Alder (Red-berried), Prinos, Winterberry

Ilex glabra (INKBERRY) -- see Ink-berry, Prinos (Evergreen), *Prinos glabra*

Ilex laevigata (SMOOTH WINTERBERRY) -- see *Prinos laevigatus*, Prinos (Single-berry), Winterberry (Smooth)

Ilex opaca (AMERICAN HOLLY) -- II 348

see also Holly (American)

Ilex verticillata (COMMON WINTERBERRY) -- see Alder (Black), Alder (Speckled Black), Prinos, Prinos (Common), *Prinos verticillatus*, Winterberry

Ilysanthes = *Lindernia* spp. (FALSE PIMPERNEL) -- V 315, VI 386, VIII 414

Ilysanthes gratioloides = *Lindernia* spp. (FALSE PIMPERNEL) -- IV 208

Impatiens = *Impatiens capensis* (SPOTTED TOUCH-ME-NOT) -- II 389, XII 260, 305

Impatiens capensis (SPOTTED TOUCH-ME-NOT) -- see Impatiens, *Impatiens fulva*, Noli-me-tangere, Touch-me-not

Impatiens fulva = *Impatiens capensis* (SPOTTED TOUCH-ME-NOT) -- IV 218

Indian Grass = *Sorghastrum nutans* (WOOD GRASS) -- XI 147

Indian-pipe = *Monotropa uniflora* (INDIAN PIPE) -- IV 247, XI 90, 118,

INDIAN PLANTAIN = *Cacalia* spp.

Indian-tobacco = *Lobelia inflata* (INDIAN TOBACCO) -- II 409, IV 232

INDIAN TURNIP = *Arisaema* spp.

Indigo = *Baptisia tinctoria* (WILD INDIGO) -- IV 183, V 269, 335, VI 375, VII 438, IX 8, XI 76, XIV 211

Indigoweed = *Baptisia tinctoria* (WILD INDIGO) -- II 65, 70, 123, 227, 286, 299, 300, 396, IV 132, 231, IX 481, XI 205, XII 291, 418, XIII 167, XIV 99, 223

___ (shoot) -- XIII 280

Ink-berry = *Ilex glabra* (INKBERRY) -- II 366, IV 69

Innocence = *Houstonia caerulea* (BLUEBETS) -- IV 71

Intermediate Fern = ¹⁶³ -- XIII 292

Interrupted Fern = *Osmunda claytoniana* (INTERRUPTED FERN) -- VI 266, (306), 324, VII 5, 338, X (48), 417, 494, XIII (331), 342, 343

___ (fruit) -- XIII 307; ___ (pollen) -- VII 388, XII 191; ___ (scroll) -- XII 166

Inula = *Inula helenium* (ELECAMPANE) -- V 355, VIII 450

Inula helenium (ELECAMPANE) -- II 467

see also Elecampane, Inula

Iris = *Iris* spp. (IRIS) -- IX 407

Iris (Boston) = *Iris prismatica* (SLENDER BLUE FLAG) -- IV 123

Iris (Common) = *Iris versicolor* (LARGER BLUE FLAG) -- VI 334, VIII 378, IX 489

Iris prismatica (SLENDER BLUE FLAG) -- IV 123, VIII 118

see also Iris (Small), *Iris virginica*

Iris (Small) = *Iris prismatica* (SLENDER BLUE FLAG) -- VI 345, VIII 389

Iris versicolor (LARGER BLUE FLAG) -- II 277, 424, IV 91, 258, VII 413

see also Flag (Blue), Flag (Common Blue), Iris (Common)

Iris virginica = *Iris prismatica* (SLENDER BLUE FLAG)¹⁶⁴ -- IV 173, 258, V 238, VI 363

Iron-weed = *Vernonia noveboracensis* (NEW YORK IRONWEED) -- IV 276

Iron-wood = ¹⁶⁵ -- V 227, 452

Isnardia = *Ludwigia palustris* (WATER PURSLANE) -- VI 432

Isotria verticillata (WHORLED POGONIA) -- see *Arethusa* (Whorled), *Pogonia verticillata*

Itea canadense = ¹⁶⁶ -- III 198

Iva frutescens (MARSH ELDER) -- VII 480

Ivy = *Hedera helix* (ENGLISH IVY) -- VII 126

Ivy = *Rhus radicans* (POISON IVY) -- II 217, 434, III 5, 6, IV 91, V 368, 516, VI 390, VII 24, VIII 215

___ (berry) -- V 403, IX 10; ___ (leaf) -- II 450, V 117, VII 5; ___ (pass) -- V 390; ___ (tree) -- V 165, VII 24, 390, 424, VIII 53, 253

Ivy (American) = *Parthenocissus quinquefolia* (VIRGINIA CREEPER)/*Parthenocissus inserta* (THICKET CREEPER)² -- II 501

Ivy (Climbing) = *Rhus radicans* (POISON IVY) -- VI 303

Ivy (Ground) = *Glechoma hederacea* (GILL-OVER-THE-GROUND) -- IV 322, VI 259

IVY (POISON) = *Rhus radicans*

Ivy (Tree-climbing) = *Rhus radicans* (POISON IVY) -- V 245

JACK-IN-THE-PULPIT = *Arisaema* spp.

Jamestown-weed = *Datura stramonium* (JIMSONWEED) -- II 219, VII 75, XII 341

Jersey Tea = *Ceanothus americanus* (NEW JERSEY TEA) -- II 282, 298, 313, IV 170, V 126, 308, 310, VI 301, 379, X 153, XI 301, 307, 308, XII 218, 419

___ (fruit) -- VI 428, XII 380

Jerusalem-oak = *Chenopodium botrys* (JERUSALEM OAK) -- III 72, V 398, XII 341

JEWELWEED = *Impatiens* spp.

JIMSONWEED = *Datura stramonium*

Joe-pye-weed = *Eupatorium* spp. (THOROUGHWORT)¹²³ -- V 343

John's-wort = *Hypericum* spp. (ST. JOHN'S-WORT) -- i 256, 349, 352, I 203, 301, 304, 364, 381, II 283, 424, III 188, IV 141, 192, 236, 429, 460, 477, 485, V 56, 339, 358, 409, 509, VI 90, 150, 152, 157, VII 127, IX 159, XI 96, XII 218, XIII 422, XIV 71

___ (leaf)¹⁶⁷ -- VII 229, 329

Johnswort (Common) = *Hypericum perforatum* (COMMON ST. JOHN'S-WORT) -- V 358, XIII 34

Johnswort (Large) = ¹⁶⁸ -- XIII 386

Johnswort (Narrow-leaved) = *Hypericum canadense* (CANADA ST. JOHN'S-WORT) -- IV 357

Johnswort (Radical) = *Hypericum perforatum* (COMMON ST. JOHN'S-WORT) -- VIII 60

JOINTWEED (SAND) = *Polygonella articulata*

Juglans cinerea (BUTTERNUT) -- see Butternut

Juglans nigra (BLACK WALNUT) -- see Walnut (Black)

Juncaceae (RUSH FAMILY) -- VII 385, XI 153, 156

Juncus = *Juncus* spp. (RUSH) -- VII 360, 369, XI 23, 144, 251, XIII 45, 232, 352, 407, XIV 31, 53

Juncus acuminatus (SHARP-FRUITED RUSH)¹⁶⁹ -- XI 137, 138, XIII 427, XIV 26

Juncus articulatus (JOINTED RUSH)¹⁷⁰ -- XI 144

Juncus balticus (SHORE RUSH) -- XI 177

see also *Juncus filiformis*

Juncus brevicaudatus (NARROW RUSH) -- see *Juncus acuminatus*, *Juncus paradoxus*

Juncus bufonius (TOAD RUSH) -- XI 172, XII 217, XIII 386

Juncus campestris = *Luzula multiflora* (COMMON WOODRUSH) -- IV 55

Juncus canadensis (MARSH RUSH) -- see *Juncus articulatus*, *Juncus paradoxus*, *Juncus scirpoides*

Juncus conradi = ¹⁷¹ -- XIII 427

Juncus effusus (TUFTED RUSH) -- III 480, X 488, XI 125, 177

see also Rush (Soft)

Juncus filiformis (THREAD RUSH)¹⁷² -- X 392, XI 31, 46, XIII 321

Juncus gerardi (BLACK GRASS) -- VII 438

see also Black Grass

Juncus greenei (GREENE'S RUSH) -- XI 172, XII 275

Juncus marginatus (GRASS RUSH) -- XII 257, XIII 396

Juncus militaris (BAYONET RUSH) -- III 54, IV 121, 382, 389, 434, V 486, VI 399, 425, VII 286, XI 137, XII 388, XIII 398, 408

see also Rush (Bayonet), Rush (Rainbow)

Juncus paradoxus = ¹⁷³ -- XI 124, 137, XIV 26, 53

__ (-like) -- XIII 45

Juncus pelocarpus (BROWN-FRUITED RUSH) -- see *Juncus conradi*

Juncus platyphyllus -- see *Juncus tenuis*

Juncus polycephalus = *Juncus scirpoides* (SCIRPUS-LIKE RUSH)¹⁷⁴ -- XI 124

Juncus scirpoides (SCIRPUS-LIKE RUSH)¹⁷⁴ -- XI 124, 137, 144, XII 257, 259

Juncus secundus (SECUND RUSH) -- see *Juncus tenuis*

Juncus tenuis (YARD RUSH)¹⁷⁵ -- XI 129, 370, XII 217, XIII 28, 376

__ (-like) -- XI 172

see also Rush (Slender)

Juncus trifidus (HIGHLAND RUSH) -- X 457, 463, XI 23, XIV 26, 28, 31, 43

Juneberry = *Amelanchier* spp. (SHADBUSH) -- IV 44

June-grass = *Poa pratensis* (JUNEGRASS, KENTUCKY BLUEGRASS) -- IV 88, 103, 115, 140, V 241, 270, 273, VI 333, VII 413, XI 96, 158, XII 203, 204, XIII 312, 320, 321, 323, 337, 377, 399, 401, 403

__ (haying) -- XIII 374

Juniper = *Juniperus communis* (GROUND JUNIPER) -- i 360, I 315, 449, V 168, 373, VI 280, 297, VII 152, 387, IX 111, X 306, XI 49, XIII 158

__ (berry) -- II 71, IV 463, VII 278, XIV 278; __ (branch) -- VI 243; __ (bush) -- IX 111

Juniper (Creeping) = *Juniperus communis* (GROUND JUNIPER) -- III 452, IV 132, 477, V 168, 209, VI 206, 221, 232, 255, 299, VIII 352, 359, XI 299, XIII 326, XIV 249

__ (berry) -- V 419, 482, XII 403; __ (wreath) -- VII 168

Juniperus communis (GROUND JUNIPER) -- VIII 358

see also Cedar (Low), Juniper, Juniper (Creeping), *Juniperus repens*

Juniperus repens = *Juniperus communis* (GROUND JUNIPER) -- II 305, III 446, V 83, 160, 237, VII 278, 70, XIII 335, XIV 271

___ (berry) -- VII 342, XII 357; ___ (leaf) -- XII 385; ___ (pollen) -- VII 384, XII 191

Juniperus virginiana (EASTERN RED CEDAR) -- II 200

see also Cedar, Cedar (Red), Savin

Kalmia = *Kalmia* spp. (LAUREL) -- II 439, VIII 340, 344, 356, IX 376, X 492, XII 195

Kalmia angustifolia (SHEEP LAUREL, LAMBKILL) -- II 266, 466, IV 477

see also Lambkill

Kalmia glauca = *Kalmia polifolia* (PALE LAUREL) -- VI 130, VII 108, 388, 389, 414, VIII 118, 334, 344, 381, 402, IX 44, 161, 376, 491, X 13, 170, 182, 184, 197, 198, 201, 269, 271, 273, 274, 452, 492, XI 46, 61, 84, 148, 327, XII 195, 388, 394, XIII 292

___ (leaf) -- XI 241

Kalmia (Glaucous) = *Kalmia polifolia* (PALE LAUREL) -- VII 365

Kalmia latifolia (MOUNTAIN LAUREL) -- IV 142, 477

see also Laurel, Laurel (Evergreen), Laurel (Mountain), Spoonhunt

Kalmia polifolia (PALE LAUREL) -- see *Kalmia glauca*, *Kalmia* (Glaucous)

Kalmiana -- see *Nuphar kalmiana*

Kalmiana = *Nuphar microphyllum* (SMALL YELLOW POND LILY)/*Nuphar rubrodiscum* (RED COW-LILY)² -- IV 168, VIII 373

Kat Tree = *Catha edulis* (KAT) -- i 386, I 343

Key = *Acer* spp. (MAPLE) -- X 418

Knapweed = *Centaurea* spp. (KNAPWEED)⁷⁶ -- V 377, XII 317

Knawel = *Scleranthus annuus* (KNAWEL) -- IV 257, V 515, VIII 12, 324, XIII 279

Knawel (Common) = *Scleranthus annuus* (KNAWEL) -- IV 91, V 122

Knot-grass = *Polygonum aviculare* (DOORWEED) -- II 504

Knot-grass (Slender) = *Polygonum tenue* (SLENDER KNOT-GRASS) -- IV 334

KNOTWEED = *Polygonum* spp.

Krigia = *Krigia virginica* (DWARF DANDELION) -- V 179, 184, 356, VI 290, VII 395, VIII 412, IX 29, 407, X 440, XIII 323

___ (seed) -- VI 347

Krigia virginica (DWARF DANDELION) -- IV 167, V 168

see also Krigia

Labrador Tea = *Ledum groenlandicum* (LABRADOR TEA) -- IX 491, X 462, 464, XI 327, XIV 28

LACE-GRASS = *Eragrostis capillaris*

Lactuca = *Lactuca* spp. (LETTUCE) -- II 410, V 304, 432, VI 375, VIII 399, XI 129

see also Lettuce

Lactuca biennis (TALL BLUE LETTUCE) -- see *Mulgedium*, *Mulgedium leucophaeum*

Lactuca canadensis (WILD LETTUCE) -- see *Lactuca elongata*, Lettuce (Tall)

Lactuca elongata = *Lactuca canadensis* (WILD LETTUCE) -- II 334, IV 206, V 270

Lactuca hirsuta (HAIRY WOOD LETTUCE) -- see *Lactuca sanguinea*, Lettuce (Wood)

Lactuca sanguinea = *Lactuca hirsuta* (HAIRY WOOD LETTUCE) -- II 320, IV 295, VIII 408

Ladies'-delight = *Viola tricolor* (PANSY) -- X 249

Ladies'-tresses = *Spiranthes* spp. (LADIES' TRESSES) -- II 410, IV 381

LADY FERN = *Athyrium filix-foemina*

Lady's-slipper = *Cypripedium acaule* (PINK LADY'S SLIPPER) -- II 30, 196, 313, IV 66, 73, 103, V 164, 175, VI 296, 337, 341, VII 400, VIII 358, 366, IX 381, X 154, 448, XII 326, XIV 90

__ (leaf) -- V 222; __ (pollen) -- XII 194

Lady's-slipper (White) = *Cypripedium acaule* forma *albiflorum* (PINK LADY'S- SLIPPER white form) -- XIII 303

Lady's-slipper (Yellow) = *Cypripedium calceolus* (YELLOW LADY'S SLIPPER) -- VIII 381

LADY'S THUMB = *Polygonum persicaria*

Lake Grass = *Glyceria borealis* (NORTHERN FLOAT-GRASS)/*Glyceria septentrionalis* (FLOATING MANNA-GRASS)² -- VII 293, 338, XI 289

Lambkill = *Kalmia angustifolia* (SHEEP LAUREL, LAMBKILL) -- II 266, 466, III 334, IV 96, 135, 281, 356, 367, 459, V 214, 228, 269, 455, 475, VI 10, 139, 144, 266, 301, 324, 347, VII 9, 108, 110, 138, 238, 389, 390, 412, 414, VIII 375, 409, IX 405, X 30, 196, 197, 201, 281, 462, 464, 492, XI 45, 59, 265, 291, 322, 327, 332, 334, 337, XII 195, XIV 13, 25, 28, 31, 44, 48, 191, 262

__ (blossom) -- V 434; __ (flower) -- IV 141, XII 201; __ (leaf) -- VIII 382, XI 281, XIII 299

Lamium amplexicaule (HENBIT) -- V 161, VIII 394

Laportea canadensis (WOOD NETTLE) -- see *Urtica canadensis*

*Lappa major*¹⁰ = *Arctium* spp. (BURDOCK) -- IV 232

Larch = *Larix* spp. (LARCH)¹⁷⁸ -- II 36, 89, 199, 200, 467, III 229, IV 46, 121, 398, V 123, 126, 138, 160, 175, 186, 312, 450, 478, 502, VI 5, 125, 217, 230, 234,

239, 243, 255, 261, 280, 299, 307, 468, VII 175, 330, 338, 358, 520, VIII 6, 295, 308, 311, 317, 321, IX 348, 394, X 105, 119, 152, 164, 170, 181, 184, 192, 201, XI 10, 222, 258, 259, 270, 271, 276, 302, 318, 329, XII 133, 226, 290, 385, 387, XIII 112, 158, 204, 335, 373, XIV 115, 134, 184, 263, 265, 266

___ (bud) -- VIII 312; ___ (cone) -- IV 81, VI 5, 127, 307, VII 144, IX 405, XIII 108, XIV 132; ___ (leaf) -- V 490, VI 239; ___ (seed) -- XII 388; ___ (staminate bud) -- VIII 316; ___ (swamp) -- XII 384; ___ (tree) -- II 458, III 329, VI 51, X 27, 271, XII 166

Larch (Scotch) = *Larix decidua* (EUROPEAN LARCH) -- V 123, X 185, XI 261, 279

Larix americana = *Larix laricina* (TAMARACK) -- II 200

Larix cedrus = *Cedrus libani* (CEDAR OF LEBANON) -- II 200

Larix decidua (EUROPEAN LARCH) -- see Larch (Scotch)

Larix laricina (TAMARACK) -- see Larch, *Larix americana*

Lathyrus japonicus (BEACH PEA) -- see *Lathyrus maritimus*, Pea (Beach)

Lathyrus maritimus = *Lathyrus japonicus* (BEACH PEA) -- VII 433

Lathyrus palustris (MARSH VETCHLING) -- IX 420

Laurel = *Laurus* spp. (LAUREL) -- I 365

Laurel = *Kalmia latifolia* (MOUNTAIN LAUREL) -- V 208, 243, 273, VII 9, XIV 257, 263

___ (bud) -- VI 89

Laurel (Evergreen) = *Kalmia latifolia* (MOUNTAIN LAUREL) -- VI 76

Laurel (Mountain) = *Kalmia latifolia* (MOUNTAIN LAUREL) -- II 224, III 136, IV 88, 130, 131, 135, 164, 258, V 160, 224, 238, 269, 310, VI 12, 282, 301, 344, 360, VII 9, 391, VIII 382, 385, X 510, XI 323, 327, 332, XII 411

___ (leaf) -- XII 386

Laurus benzoin = *Lindera benzoin* (SPICEBUSH) -- II 186

Laurus sassafras = *Sassafras albidum* (SASSAFRAS) -- II 73

Lavender = *Lavandula* spp. (LAVENDER) -- i 58, 235, I 62, 180

LAVENDER (SEA) = *Limonium nashii*

LEATHERLEAF = *Chamaedaphne calyculata*

Leather-wood = *Dirca palustris* (LEATHERWOOD) -- II 221, IX 67

Lechea = *Lechea* spp. (PINWEED) -- VI 378, VII 512, VIII 11, 423, IX 8, X 497, XII 363, XIII 147, 230, 231

___ (field) -- VIII 438; ___ (shoot) -- IX 99

see also Pinweed

Lechea major = *Lechea villosa* (HAIRY PINWEED) -- IV 230, 428, V 342, VIII 11, IX 291, XIV 175

Lechea (Great-fruited) = *Lechea intermedia* (INTERMEDIATE PINWEED) -- VIII 411

Lechea intermedia (INTERMEDIATE PINWEED) -- see *Lechea* (Great-fruited), *Lechea* (Middle), *Lechea racemulosa*, *Lechea thymifolia*, Pinweed (Thyme-leaved)

Lechea maritima (SEA-SIDE PINWEED) -- see *Lechea* (Middle), *Lechea thymifolia*, Pinweed (Thyme-leaved)

Lechea (Middle) = *Lechea intermedia* (INTERMEDIATE PINWEED)/*Lechea maritima* (SEA-SIDE PINWEED)² -- VI 387

Lechea minor = *Lechea tenuifolia* (NARROW-LEAVED PINWEED) -- IV 267, VI 406, 408

Lechea racemulosa = ¹⁷⁹ -- IV 282

Lechea tenuifolia (NARROW-LEAVED PINWEED) -- see *Lechea minor*

Lechea thymifolia = *Lechea intermedia* (INTERMEDIATE PINWEED)/*Lechea maritima* (SEA-SIDE PINWEED)² -- VI 427, IX 482, XIII 44

Lechea villosa (HAIRY PINWEED) -- IX 291

see also *Lechea major*, Pinweed (Larger)

Lecidea = a lichen

Ledum = *Ledum groenlandicum* (LABRADOR TEA) -- VI 130, X 13, 273, 274, 306, 449, 486, 492, XI 17, 46, 60, 241, XII 191, 394

___ (leaf) -- X 492; ___ (pond-hole) -- X 281

Ledum groenlandicum (LABRADOR TEA) -- see Labrador Tea, Ledum, *Ledum latifolium*

Ledum latifolium = *Ledum groenlandicum* (LABRADOR TEA) -- VIII 118, 382, IX 491, X 273, XI 84

*Ledum telephium*⁸ = *Sedum telephium* (LIVE-FOREVER)/*Sedum purpureum* (LIVE-FOREVER)² -- XI 142

Leek = *Sempervivum tectorum* (HOUSELEEK) -- XIII 413

___ (bud) -- V 127, VII 235

Leersia = *Leersia oryzoides* (RICE CUTGRASS) -- XII 292, 295, XIV 51, 55, 62

Leersia oryzoides (RICE CUTGRASS) -- XI 141

see also Cut-grass

Lemna = *Lemna* spp. (DUCKWEED)/*Spirodela polyrhiza* (WATER-FLAXSEED)¹⁸⁰ -- IX 65, XIV 67, 68, 74

Lemna minor (LESSER DUCKWEED) -- VII 436

Lemna polyrhiza = *Spirodela polyrhiza* (WATER-FLAXSEED) -- XIV 67

Lentago (fruit) = *Viburnum lentago* (NANNYBERRY) -- XIV 116

Leontodon = *Leontodon autumnalis* (FALL DANDELION) -- IV 99

Leontodon autumnalis (FALL DANDELION) -- II 397, XII 305

see also Apargia, *Apargia autumnalis*, Dandelion (Autumnal), Dandelion (Fall)

Leonurus cardiaca (COMMON MOTHERWORT) -- IV 161

see also Motherwort

Lepidium = *Lepidium* spp. (PEPPERGRASS) -- X 497

Lepidium campestre (FIELD PEPPERGRASS) -- X 482

__ (field) -- XII 201

Lepidium virginicum (WILD PEPPERGRASS) -- IV 200, VII 398

see also Pepper-grass

Lespedeza = *Lespedeza* spp. (BUSH-CLOVER) -- III 63, IV 329, V 374, VII 451, VIII 103, IX 9, 10, 11, 85, 240, XI 88, 122, XII 291, 329, 333, 392, XIII 31, 32, XIV 258

__ (leaf) -- XI 185; __ (stem) -- XI 336; __ (tick) -- VII 42

Lespedeza angustata = ¹⁸¹ -- VIII 449

Lespedeza capitata (ROUND-HEADED BUSH-CLOVER) -- II 408, IV 286, V 361, 374, VI 409, VIII 449, 465

Lespedeza (Hairy) = *Lespedeza hirta* (HAIRY BUSH-CLOVER) -- II 408

Lespedeza hirta (HAIRY BUSH-CLOVER) -- IV 295, V 350, VI 414, VIII 442, 449, IX 24, 85

see also *Lespedeza polystachia*

Lespedeza intermedia (WAND-LIKE BUSH-CLOVER) -- see *Lespedeza* (Small Violet), *Lespedeza violacea*

Lespedeza (Linear) = *Lespedeza virginica* (SLENDER BUSH-CLOVER) -- IV 319

Lespedeza (Narrow-leaved Violet) = *Lespedeza virginica* (SLENDER BUSH-CLOVER) -- V 361

Lespedeza nuttallii (NUTTALL'S BUSH-CLOVER) -- see *Lespedeza stuevei*, *Lespedeza violacea*

Lespedeza polystachia = *Lespedeza hirta* (HAIRY BUSH-CLOVER) -- II 408, V 361

Lespedeza procumbens (TRAILING BUSH-CLOVER) -- VII 439

Lespedeza (Reticulated) = *Lespedeza virginica* (SLENDER BUSH-CLOVER) -- II 490

Lespedeza sessiliflora = *Lespedeza virginica* (SLENDER BUSH-CLOVER) -- II 490

Lespedeza (Shrubby) = *Lespedeza capitata* (ROUND-HEADED BUSH-CLOVER) -- II 408

Lespedeza (Small Violet) = *Lespedeza intermedia* (WAND-LIKE BUSH-CLOVER) -- VII 450

*Lespedeza stuevei*¹⁸² = *Lespedeza nuttallii* (NUTTALL'S BUSH-CLOVER) -- VII 439, IX 16, 24, 85

Lespedeza violacea (VIOLET BUSH-CLOVER)₁₈₃ -- II 461, IV 267, 299, V 350, 374, VI 409, VIII 444, 449, 466, 467, IX 24, 85, XII 305

Lespedeza violacea var. *angustifolia* = *Lespedeza virginica* (SLENDER BUSH-CLOVER) -- IV 299, V 373

Lespedeza virginica (SLENDER BUSH-CLOVER) -- see *Lespedeza angustata*, *Lespedeza* (Linear), *Lespedeza* (Narrow-leaved Violet), *Lespedeza sessiliflora*, *Lespedeza violacea*, *Lespedeza violacea* var. *angustifolia*

Lettuce = *Lactuca* spp. (LETTUCE) -- IV 239, 306

___ (seed) -- XII 446

Lettuce (Tall) = *Lactuca canadensis* (WILD LETTUCE) -- II 320, 334

Lettuce (White) = *Prenanthes alba* (WHITE LETTUCE) -- II 467, IV 292

Lettuce (Wood) = *Lactuca hirsuta* (HAIRY WOOD LETTUCE) -- VI 306

Leucothoe = *Leucothoe racemosa* (SWAMP SWEETBELLS) -- IX 400

Leucothoe racemosa (SWAMP SWEETBELLS) -- IX 412

see also *Andromeda* (Clustered), *Andromeda* (Racemed), *Andromeda racemosa*

Lever-wood = *Ostrya virginica* (EASTERN HOP-HORNBEAM) -- VII 64

Liatris = *Liatris borealis* (NORTHERN BLAZING-STAR) -- V 340, 362, 363, 385, VI 426, VIII 438, XI 125, 184, XII 305, 317, XIII 45

___ (bud) -- IV 349; ___ (hollow) -- V 385

Liatris borealis (NORTHERN BLAZING-STAR) -- see *Liatris*, *Liatris scariosa*

*Liatris scariosa*¹⁸⁴ = *Liatris borealis* (NORTHERN BLAZING-STAR) -- IV 348, VIII 118

LICORICE (WILD) = *Galium circaezans* or *Galium lanceolatum*

Life-everlasting = *Gnaphalium* spp. (CUDWEED, EVERLASTING)/*Anaphalis margaritacea* (PEARLY EVERLASTING) -- i 256, I 203, II 415, V 158

Life-everlasting (Fragrant) = *Gnaphalium obtusifolium* (SWEET EVERLASTING) -- II 93, III 44, 47, 80, 478, IV 278, V 28, 509

Life-everlasting (Sweet-scented) = *Gnaphalium obtusifolium* (SWEET EVERLASTING) -- II 100, 305, 370

Ligustrum spp. (PRIVET) -- see Privet

Ligustrum vulgare (COMMON PRIVET) -- IV 170

see also Privet

Lilac = *Syringa vulgaris* (COMMON LILAC) -- I 420, II 365, III 440, IV 65, V 72, 107, 170, 179, 180, VI 209, 210, 211, 274, VII 295, 333, IX 69, X 439, XI 261, 262, 301, XIII 209, 239, 304, XIV 171

___ (bud) -- III 461, VI 201, IX 280, 287: ___ (field) -- XII 177

Lilac (Persian) = *Syringa persica* (PERSIAN LILAC) -- i 236, I 181

Lilium canadense (CANADA LILY) -- II 320, IV 176, VI 392, X 13, 14, XII 416

___ (pod) -- XIII 69

see also Lily (Wild Yellow), Lily (Yellow)

Lilium philadelphicum (WOOD LILY) -- IV 195

see also Lily (Red)

Lilium superbum (TURK'S-CAP LILY) -- VI 392, X 14

___ (flower) -- IX 498

Lilium tigrinum (TIGER LILY) -- see Lily (Tiger)

Lily = ¹⁸⁵ -- i 77, 117, 193, I 84, 128, II 278, IV 135, 148, 163, 167, 168, 169, 172, 179, 181, 182, 183, 185, 216, 217, 233, 235, 237, 400, V 64, 279, 283, 286, 287, 299, 325, 337, 367, 372, 380, 417, VI 353, 397, 398, 399, 411, 450, 473, 485, VII 362, VIII 409, 427, 462, IX 58, X 440, XI 70, 72, 73, 74, 99, 117, XII 137, 267, 272, 355, XIII 142, 383, 401, XIV 55, 110, 146, 147

___ (bud) -- IV 183, 195, XIII 55; ___ (leaf) -- XI 99; ___ (pad) -- i 109, II 440, III (77), IV (66), (71), V (318), (332), (380), (381), (402), (421), (442), (463), (486), (489), (515), VI 128, (168), VII 373, (398), (400), (402), (407), (413), (415), (416), (434), (439), (444), (446), (457), (468), X (27), (116), 440; ___ (pad stem) -- II 166, 167; ___ (root) -- III 53, IV 162; ___ (seed) -- XIV 110; ___ (stem) -- IV 149

see also Water-lily

Lily (Common Yellow) = *Lilium canadense* (CANADA LILY) -- II 320

LILY (DAY) = *Hemerocallis fulva*

Lily (Great Orange) = *Hemerocallis fulva* (DAY LILY) -- V 302

Lily (Great Orange-yellow) = *Hemerocallis fulva* (DAY LILY) -- VI 384

Lily (Great Spatterdock) = *Nuphar variegatum* (BULLHEAD LILY) -- IV 185

Lily (Great Yellow) = *Nuphar variegatum* (BULLHEAD LILY) -- IV 163, V 528, VII 490

Lily (Kalmiana) = *Nuphar microphyllum* (SMALL YELLOW POND LILY)/*Nuphar rubrodiscum* (RED COW-LILY)² -- V 315, 529, VII 395, 421, 458, VIII 431, IX 83, XII 230, 263, XIV 109

Lily (Kalm's) = *Nuphar microphyllum* (SMALL YELLOW POND LILY)/*Nuphar rubrodiscum* (RED COW-LILY) 2 -- IV 111

Lily (Large Orange) = *Hemerocallis fulva* (DAY LILY) -- IV 216

Lily (Large Yellow) = *Nuphar variegatum* (BULLHEAD LILY) -- VII 40, XIV 109

Lily (Little Yellow) = *Nuphar microphyllum* (SMALL YELLOW POND LILY)/*Nuphar rubrodiscum* (RED COW-LILY)² -- VI 182

Lily-of-the-valley = *Convallaria majalis* (LILY-OF-THE-VALLEY) -- XII 186

Lily (Pond-leaf) = *Nymphaea odorata* (SWEET-SCENTED WATER-LILY)/*Nuphar* spp. (YELLOW POND LILY) -- IV 116

Lily (Red) = *Lilium philadelphicum* (WOOD LILY) -- IV 195, 206, (219), V 158, VI 238, 364, 381, 382, VIII 409, 425, XI 3, 10

Lily (Small Yellow) = *Nuphar microphyllum* (SMALL YELLOW POND LILY)/*Nuphar rubrodiscum* (RED COW-LILY) 2 -- VI 279, 399, VII 40

Lily (Tiger) = *Lilium tigrinum* (TIGER LILY) -- IX 5

LILY (TROUT) = *Erythronium americanum*

Lily (Victoria) = *Victoria* spp. (ROYAL WATER LILY) -- IV 217

Lily (White) = *Nymphaea odorata* (SWEET-SCENTED WATER LILY) -- II 313, 331, IV 106, 125, 162, 164, 165, 167, 168, 169, 184, 185, 232, 294, 301, 302, 326, V 152, 252, 273, 275, 283, 284, 290, 308, 403, 511, 528, 529, VI 360, 421, 472, VII 5, 13, 40, 429, VIII 380, 414, IX 17, 23, XI 70, 117, XII 223, 261, 324, 326, XIV 7, 53

___ (bud) -- IV 172, V 235, VI 345, XIII 373; ___ (leaf) -- IV 116; (pad) IV 83, 162, 325, 330, 354, 361, 413, V 226, (402), 440, VI 285, 399, 434, 469, 482, VII (5), 10, 15, 387, 388, VIII 353, 364, 376, 400, 434, IX 20, X 429, XI 98, XIII 347, 409, XIV 68, 116; ___ (root) -- V 515, VIII 293, 302, XII 136; ___ (seed) -- XIV 116; ___ (seed-pod) -- XIV 116

Lily (Wild Yellow) = *Lilium canadense* (CANADA LILY) -- VI 384

Lily (Wood)¹⁸⁶ = *Smilacina racemosa* (FALSE SOLOMON'S-SEAL) -- IX 441

Lily (Yellow) = *Lilium canadense* (CANADA LILY) -- IV 176, 193, 195, 201, 219, V 314, VIII 410, (425)

___ (pod) -- XIII 69

Lily (Yellow) = *Nuphar* spp. (YELLOW POND LILY) -- II 311, III 357, IV 9, 50, 76, 81, 184, 361, 367, 396, V 144, 152, 196, 283, 403, 511, VI 284, 421, 452, 464, 465, 466, VII 13, 71, 296, (387), VIII 302, 373, 380, 430, IX (17), 368, 494, X 376, 378, 410, XI 46, 114, 212, XII 267, 323, 324, XIII 54, 372

__ (bud) -- IV 107, V 49, VI 208; __ (fruit) -- XII 326; __ (leaf) -- III 358, 455; __ (pad) -- IV 354, 396, V 124, 226, VII 15, 54, 354, VIII 430, IX 503, XII 261, 396, XIII 286, 310, 409; __ (root) -- V 79, 528, VI 73, VII 302, VIII 303, 369, XII 70, 136, XIII 54, 204; __ (seed) -- XIV 116; __ (stubble) -- X 407

Lily (Yellow Water-) = *Nuphar* spp. (YELLOW POND LILY) -- II 186, XI 61

Limnanthemum = *Nymphoides cordata* (FLOATING HEART) -- IV 149, XII 303

Limonium nashii (SEA LAVENDER) -- see *Statice limonium*, Rosemary

Linaria canadensis (BLUE TOADFLAX) -- V 169, 170, VI 334, VII 383, VIII 362, XIV 257

see also *Antirrhinum canadense*, Snapdragon, Snapdragon (Canada), Snapdragon (Little Blue), Snapdragon (Small), Snapdragon (Small Blue)

Linaria vulgaris (BUTTER-AND-EGGS) -- IV 142, XII 305

see also Butter-and-eggs

Linden = *Tilia* spp. (LINDEN) -- VI 282

__ (tree) -- III 117

Linden (American) = *Tilia americana* (AMERICAN BASSWOOD) -- XI 315

Linden (European) = *Tilia europaea* (EUROPEAN LINDEN) -- XI (315)

Lindera benzoin (SPICEBUSH) -- see Benzoin, *Benzoin odoriferum*, Fever-bush

Lindernia = *Lindernia dubia* (FALSE PIMPERNEL)/*Lindernia anagallidea* (FALSE PIMPERNEL)² -- IV 208, VI 488

see also Ilysanthes

Ling = *Calluna vulgaris* (HEATHER) -- XI 44

Linnaea = *Linnaea borealis* (TWINFLOWER) -- IV 115, V 220, 225, VI 299, 318, 333, 337, VIII 374, X 32, XI 24, 47, 327

___ (-like) -- X 373; ___ (sproutland) -- IX 30

Linnaea borealis (TWINFLOWER) -- II 234, IV 140, VII 401, 405, VIII 118, XI 60

___ (wood) -- III 212

see also *Linnaea*

Linum usitatissimum (COMMON FLAX) -- IV 302

see also Flax (Common)

Lion's-foot = *Prenanthes serpentina* (LION'S-FOOT)/*Prenanthes trifoliolata* (TALL RATTLESNAKEROOT)² -- II 467

Liparis lilifolia (LARGE TWAYBLADE) -- IX 71, 80

see also *Malaxis lilifolia*

Liquidambar = *Liquidambar styraciflua* (SWEET GUM) -- IX 136

Liquorice (Wild) = *Galium circaezans* (WILD LICORICE) -- IV 247

Liriodendron tulipifera (TULIP-TREE) -- see Tulip, Tulip-tree

Listera cordata (HEART-LEAVED TWAYBLADE) -- XI 29, 37, 60

Live-forever = *Sedum telephium* (LIVE-FOREVER)/*Sedum purpureum* (LIVE-FOREVER)² -
- IV 268, 430, V 362

Lobelia cardinalis (CARDINAL FLOWER) -- VI 400, VIII 430, XII 305

see also Cardinal, Cardinal-flower

Lobelia dortmanna (WATER LOBELIA) -- IV 268, V 282, VI 456, VII 48, 275, VIII 397, 426, XI 139

see also *Lobelia* (Water)

Lobelia inflata (INDIAN TOBACCO) -- II 409, IV 232, V 317, 432, VI 391, VIII 411, 418

___ (leaf) -- X 70, XI 186

Lobelia kalmii (KALM'S LOBELIA) -- IX 500, X 9

Lobelia (Pale) = *Lobelia spicata* (SPIKED LOBELIA) -- II 276, 282, 310, 324, III 46, IV 171, 172

Lobelia pallida = *Lobelia spicata* (SPIKED LOBELIA) -- II 282, 424

Lobelia spicata (SPIKED LOBELIA) -- IV 171, VI 379, VIII 418, 430, IX 10

see also *Lobelia* (Pale), *Lobelia pallida*

Lobelia (Water) = *Lobelia dortmanna* (WATER LOBELIA) -- II 417, IV 264, 268, 355

Locust = *Robinia pseudo-acacia* (BLACK LOCUST) -- II 196, 197, III 62, IV 84, 197, V 108, 160, 171, 258, 273, 450, VI 131, 265, 300, 318, 333, VII 99, 379, 416, 454, VIII 50, 150, 349, 375, IX 241, 368, X 98, XI 205, 234, 242, 243, 280, XIII 319, 320, 336, XIV 98, 134

___ (bloom) -- V 238; ___ (blossom) -- IV 94, VI 330; ___ (bud) -- VIII 349; ___ (burying-ground) -- VIII 349; ___ (leaf) -- VI 388, X 58, XI 195, XII 291; ___ (-like) -- IX 4; ___ (pod) -- VI 135, VII 104, XIII 87; ___ (tree) -- IV 187, V 218

Locust (Colored-flowered) = ¹⁸⁷ -- XII 208

LOCUST (HONEY) = *Gleditsia triacanthos*

Lodoicea sechellarum = *Lodoicea maldivica* (COCO DE MER, DOUBLE COCONUT) -- VIII 381

Loiseleuria procumbens (ALPINE AZALEA) -- XI 24, 60

Lonicera caerulea = *Lonicera villosa* (MOUNTAIN FLY HONEYSUCKLE) -- XI 23, 61

Lonicera canadensis (AMERICAN FLY HONEYSUCKLE) -- see *Lonicera ciliata*, *Xylosteum ciliatum*

Lonicera ciliata = *Lonicera canadensis* (AMERICAN FLY HONEYSUCKLE) -- IV 302, VI 408, XI 37

Lonicera hirsuta (HAIRY HONEYSUCKLE) -- IV 362

Lonicera villosa (MOUNTAIN FLY HONEYSUCKLE) -- see *Lonicera caerulea*

Loosestrife = *Lysimachia* spp. (LOOSESTRIFE) -- i 349, I 301, IV 200, XIII 304

LOOSESTRIFE (FALSE) = *Ludwigia* spp.

Loosestrife (Four-leaved) = *Lysimachia quadrifolia* (WHORLED LOOSESTRIFE) -- IV 68, 114, 117, 258, V 246, 298, VI 344, 384, XII 314

Loosestrife (Hairy-stalked) = *Lysimachia ciliata* (FRINGED LOOSESTRIFE) -- IV 246

Loosestrife (Heart-leaved) = *Lysimachia ciliata* (FRINGED LOOSESTRIFE) -- II 311, 316

Loosestrife (Lanceolate) = *Lysimachia hybrida* (LANCE-LEAVED LOOSESTRIFE) -- IV 247, V 323, VII 451

Loosestrife (Swamp) = *Decodon verticillatus* (SWAMP LOOSESTRIFE) -- II 502, IV 308, VII 63, 84, 138

Loosestrife (Tufted) = *Lysimachia thyrsiflora* (TUFTED LOOSESTRIFE) -- IV 108, 258

Loosestrife (Upright) = *Lysimachia terrestris* (SWAMP CANDLES) -- II 316, IV 165, 195, 211

Loosestrife (Whorled) = *Lysimachia quadrifolia* (WHORLED LOOSESTRIFE) -- X 505

Lopseed = *Phryma leptostachya* (LOPSEED) -- IX 66

Lotus = *Nelumbo* spp. (NELUMBO)¹⁸⁸ -- IV 102, 147, 172, VII 75

___ (flower) -- IV 148, 172

Lousewort = *Pedicularis canadensis* (COMMON LOUSEWORT) -- IV 73, V 149, VI 287

___ (flower) -- XIII 294; ___ (pollen) -- VII 383

LOVE-GRASS = *Eragrostis* spp.

Lucerne = *Medicago sativa* (ALFALFA) -- VIII 385

Ludwigia = *Ludwigia* spp. (FALSE LOOSESTRIFE) -- VI 387, X 333, XIII 31

___ (pool) -- X 349

Ludwigia alternifolia (SEEDBOX) -- V 314, VIII 412, 424, IX 6, 29, XI 139

see also Seed-box

Ludwigia palustris (WATER PURSLANE) -- IV 207, V 314, VI 388, 397, 432, 473, VIII 300, 414

___ (ditch) -- X 407

see also Purslane (Water)

Ludwigia sphaerocarpa (GLOBE-FRUITED LUDWIGIA) -- VI 452, 464, 482, VII 451, VIII 407, 438, 440

Lupine = *Lupinus perennis* (WILD LUPINE) -- II 233, 395, IV 49, 77, 80, 81, 82, 90, 94, 127, 193, 238, 292, V 165, 184, 197, 213, 296, VI 216, 288, 364, VII 383, 386, 390, VIII 356, IX 475, X 342, XIII 296

___ (bank) -- V 202, VIII 338; ___ (hill) -- VI 334; ___ (leaf) -- VI 252

Lupinus perennis (WILD LUPINE) -- see Lupine

Luzula = *Luzula multiflora* (COMMON WOODRUSH) -- XII 257, XIII 261, 277

Luzula campestris = *Luzula multiflora* (COMMON WOODRUSH) -- VII 359, 385, XII 167, 173, XIII 280

Luzula (Early) = *Luzula multiflora* (COMMON WOODRUSH) -- XIII 255

Luzula multiflora (COMMON WOODRUSH) -- see *Juncus campestris*, *Luzula*, *Luzula campestris*, *Luzula* (Early)

Lychnis = *Agrostemma githago* (CORN COCKLE) -- VIII 386

Lychnis coronaria (MULLEIN PINK) -- see Pink (Mullein)

Lychnis githago = *Agrostemma githago* (CORN COCKLE) -- VII 443

Lycopodium = *Lycopodium* spp. (CLUBMOSS) -- V 335, 418, VI 6, 284, VII 188, X 150, 155, 162, 170, XI 261, 330, 358, XII 375, XIV 271

— (hill) -- XII 443

see also Club-moss, Evergreen

Lycopodium annotinum (STIFF CLUBMOSS) -- X 462, 464, 477, XI 18, 31, 61, XIV 27

Lycopodium clavatum (STAGHORN CLUBMOSS) -- VI 12, X 463, 464, XII 9, XIV 28

Lycopodium complanatum (RUNNING PINE)¹⁸⁹ -- VI 12, X 19, XI 155, 235, 281, 322, 323, 330, XII 314, 396, 454, XIV 27, 123

Lycopodium dendroideum = *Lycopodium obscurum* (TREE CLUBMOSS)³⁴⁶ -- IV 195, 410, V 474, VI 12, VII 405, XI 395, X 41, XI 291, 322, 323, 330, XII 374, 402, 443, 454

— (pollen) -- VI 443

Lycopodium inundatum (BOG CLUBMOSS) -- XII 296, XIV 66

Lycopodium lucidulum (SHINING CLUBMOSS) -- V 416, 521, VI 12, 191, X 8, 104, 250, 462, XI 323, XII 375

Lycopodium obscurum (TREE CLUBMOSS)³⁴⁶ -- see Evergreen, *Lycopodium dendroideum*

Lycopodium sabinaefolium (SAVIN-LEAVED CLUBMOSS) -- see *Lycopodium complanatum*

Lycopodium selago (FIR CLUBMOSS) -- XI 18, 23, 61

Lycopodium tristachyum (GROUND CEDAR) -- see *Lycopodium complanatum*

Lycopus = *Lycopus* spp. (BUGLEWEED) -- VII 113, IX 196, 197, XII 305

see also Horehound, Horehound (Water)

Lycopus americanus (WATER HOREHOUND) -- see *Lycopus europaeus*, *Lycopus* (Sharp-angled), *Lycopus sinuatus*

Lycopus europaeus = *Lycopus americanus* (WATER HOREHOUND) -- II 401

Lycopus (Sharp-angled) = *Lycopus americanus* (WATER HOREHOUND) -- VI 419

Lycopus sinuatus = *Lycopus americanus* (WATER HOREHOUND) -- IV 237, V 314, VI 388, VIII 429

Lycopus uniflorus (NORTHERN BUGLEWEED) -- see *Lycopus virginicus*

Lycopus virginicus (VIRGINIA BUGLEWEED)¹⁹⁰ -- IV 286, V 315, VI 396, 485, VIII 118, 426

Lygodium = *Lygodium palmatum* (CLIMBING FERN) -- IV 292, 303, VI 369, 386, 413, XII 362

Lygodium palmatum (CLIMBING FERN) -- III 130, 132, V 348, 405, VI 348, 386, XII 360

see also Climbing Fern, *Lygodium*, Tree Fern

Lyme Grass = *Elymus virginicus* (VIRGINIA WILD RYE) -- XI 142, 173

Lyonia ligustrina (MALEBERRY) -- see *Andromeda* (High), *Andromeda ligustrina*, *Andromeda* (Panicked), *Andromeda paniculata*, *Andromeda* (Privet)

Lyonia paniculata = *Lyonia ligustrina* (MALEBERRY) -- II 217

Lysimachia = *Lysimachia* spp. (LOOSESTRIFE) -- VIII 443, X 274, XIV 115

see also Loosestrife

Lysimachia ciliata (FRINGED LOOSESTRIFE) -- II 311, 316, IV 246, V 329, VIII 426, IX 498

Lysimachia hybrida (LANCE-LEAVED LOOSESTRIFE) -- II 320, 425

see also Loosestrife (Lanceolate), *Lysimachia lanceolata*

*Lysimachia lanceolata*¹⁹¹ = *Lysimachia hybrida* (LANCE-LEAVED LOOSESTRIFE) -- IV 185, 200, 231, 246, V 313, VI 384, VIII 401, 440

Lysimachia quadrifolia (WHORLED LOOSESTRIFE) -- II 270, VIII 409, X 392, 507

see also Loosestrife (Four-leaved), Loosestrife (Whorled)

Lysimachia racemosa = *Lysimachia terrestris* (SWAMP CANDLES) -- II 316

Lysimachia stricta = *Lysimachia terrestris* (SWAMP CANDLES) -- IV 165, 195, 269, 280, V 294, 439, VI 372, 382, 386, 409, 464, 488, IX 104

Lysimachia terrestris (SWAMP CANDLES) -- see Loosestrife (Upright), *Lysimachia stricta*

Lysimachia thyrsiflora (TUFTED LOOSESTRIFE) -- IV 108

see also Loosestrife (Tufted), *Naumbergia*, *Naumbergia thyrsiflora*

Lythrum verticillatum = *Decodon verticillatus* (SWAMP LOOSESTRIFE) -- II 502

Magnolia = *Magnolia virginiana* (SWEET BAY MAGNOLIA) -- XI 175

___ (swamp) -- XI 175

Magnolia = *Magnolia* spp. (MAGNOLIA) -- i 353, I 305

Magnolia glauca = *Magnolia virginiana* (SWEET BAY MAGNOLIA) -- VIII 421

Magnolia virginiana (SWEET BAY MAGNOLIA) -- see *Magnolia*, *Magnolia glauca*

Mahogany = *Swietenia mahogani* (MAHOGANY) -- II 200

Mahonia = *Mahonia* spp. (MAHONIA) -- XI 241

Maianthemum canadense (CANADA MAYFLOWER) -- see *Convallaria*, *Convallaria bifolia*, *Convallaria* (Two-leaved), *Smilacina bifolia*, *Solomon's-seal*, *Solomon's-seal* (Small), *Solomon's-seal* (Two-leaved)

Maidenhair = *Adiantum pedatum* (MAIDENHAIR FERN) -- V 191, XII 386

Maidenhair Fern = *Adiantum pedatum* (MAIDENHAIR FERN) -- II 64, IV 76, 96, VI 269, 319, XII 373

Maize = *Zea mays* (MAIZE, CORN) -- IX 56

Majorana = *Majorana* spp. (MARJORAM)¹⁹² -- III 346

Malaxis lilifolia = *Liparis lilifolia* (LARGE TWAYBLADE) -- VIII 118, X 13, 14

MALEBERRY = *Lyonia ligustrina*

Mallow = *Malva* spp. (MALLOW) -- i 387, I 344, V 316, VIII 378, XII 341, 342, 383

Mallow (Cheese) = *Malva neglecta* (COMMON MALLOW, CHEESES) -- IV 106

Mallow (Common) = *Malva neglecta* (COMMON MALLOW, CHEESES) -- VI 348

Malus = *Pyrus* spp. (APPLE, CRABAPPLE) -- II 211, 212, 222

Malus angustifolia = *Pyrus angustifolia* (SOUTHERN CRABAPPLE) -- II 211

Malus coronaria = *Pyrus coronaria* (WILD SWEET CRABAPPLE) -- II 211

Malva = *Malva neglecta* (COMMON MALLOW, CHEESES) -- IV 106

see also Mallow

Malva arborea = *Lavatera arborea* (TREE MALLOW) -- III 346

Malva neglecta (COMMON MALLOW, CHEESES) -- see Cheeses, Mallow (Cheese),
Mallow (Common)

Malva sylvestris (HIGH MALLOW) -- XI 13

Maple = *Acer* spp. (MAPLE) -- i 112, 455, 456, I 123, 443, II 36, 72, 85, 105, 154, 458, 459, 488, 490, III 16, 27, 29, 33, 35, 43, 63, 66, 91, 102, 126, 129, 332, 351, 371, 387, 394, 395, 397, 398, 400, 403, 405, 406, 424, 430, 457, 463, 477, 478, 479, 482, 484, 486, IV 6, 9, 16, 19, 21, 26, 35, 37, 43, 67, 100, 111, 118, 121, 133, 151, 171, 211, 222, 322, 337, 346, 357, 358, 359, 360, 367, 368, 376, 379, 385, 386, 399, 418, 438, 439, 444, V 11, 18, 31, 35, 39, 99, 108, 121, 122, 124, 126, 137, 154, 160, 162, 171, 177, 245, 249, 384, 407, 434, 435, 441, 442, 443, 451, 475, 520, 527, VI 27, 48, 55, 87, 131, 186, 187, 196, 211, 217, 239, 243, 259, 275, 381, 383, 434, 436, 448, 470, 477, 478, 489, VII 21, 25, 46, 58, 66, 72, 95, 100, 161, 162, 170, 180, 191, 216, 218, 228, 235, 247, 259, 261, 265, 266, 282, 294, 301, 308, 310, 342, 345, 354, 359, 363, 412, 414, 419, 458, 479, 485, 487, 488, 493, VIII 3, 29, 30, 42, 51, 59, 161, 175, 186, 188, 211, 213, 217, 220, 226, 240, 250, 259, 264, 266, 271, 272, 292, 301, 302, 323, 336, 339, 340, 342, 343, 344, 350, 363, 364, IX 19, 57, 105, 113, 114, 220, 221, 271, 275, 292, 334, 351, 352, 374, 474, X 41, 42, 47, 55, 57, 61, 64, 67, 71, 76, 80, 81, 83, 85, 87, 88, 91, 94, 98, 99, 102, 133, 149, 158, 186, 200, 248, 260, 262, 268, 269, 274, 286, 339, 398, 480, 498, 506, XI 9, 12, 54, 65, 66, 78, 80, 118,

120, 128, 129, 136, 164, 189, 193, 194, 198, 199, 203, 206, 219, 220, 226, 243, 249, 256, 260, 264, 277, 294, 334, 383, 406, 434, 441, 455, XII 68, 138, 140, 168, 210, 218, 224, 227, 228, 244, 252, 337, 345, 399, XIII 98, 140, 184, 238, 257, 258, 259, 260, 268, 276, 319, 333, 341, 347, 417, 418, 429, XIV 6, 72, 100, 103, 105, 107, 116, 141, 150, 160, 161, 164, 209, 216, 218, 221, 248, 262, 323, 344

__ (bark) -- VII 489, X 506; __ (blossom) -- III 399; __ (bough) -- IV 480; __ (chip) -- VIII 220; __ (copse) -- V 190; __ (fire) -- X 88, 90; __ (flame) -- X 56; __ (grove) -- i 56, I 60, VI 239, VII 256, X 112, XI 12; __ (key) -- III 395, IV 53, 64, V 226, XIII 282; __ (leaf) -- IV 91, 151, 152, V 249, 309, VII 424, 489, X 58, 64, XI 185, XII 363, 370, XIII 329; __ (-like) -- VIII 16, IX 55; __ (-like bush) -- IV 47; __ (limb) -- III 228, VIII 139; __ (log) -- VIII 348; __ (lot) -- X 188; __ (sap) -- II 138, VI 154, VII 233, 259, 269, VIII (266), IX 310, X 270, XIII 208; __ (sapling) -- VII 265, X 500; __ (seed) -- XIV 6; __ (-shaped) -- IX 3; __ (shrub) -- X 76; __ (smoke) -- XI (260); __ (stump) -- VI 218; __ (swamp) -- III 359, 430, IV 10, 33, 359, 377, V 455, VI 132, 149, 168, 305, 316, 406, VII 493, 510, VIII 59, 110, 180, 188, 321, IX 19, 351, X 61, 67, 71, 201, 301, 303, 369, 480, XI 202, 295, 339, XII 96, 344, 357, XIII 208, 417, XIV 6, 103, 225, 244, 272, __ (timber) -- X 224; __ (-tops) -- IV 18, V 122, VI 245, VIII 321, XIII 418; __ (tree) -- III 70, IV 357, VIII 284, X 498, XIII 257, XIV 268; __ (trunk) -- VII 428; __ (twig) -- III 380, IV 479, VI 105, VII 489, VIII 219, 288, X 286, XIII 257, XIV 108; __ (woods) -- III 59, IV 19, X 159, 167, XI 6, XIV 73, 103

Maple (Bastard) = *Acer spicatum* (MOUNTAIN MAPLE) -- XI 15

Maple (Bird's-eye) = *Acer saccharum* (SUGAR MAPLE) -- II 201, XIII 138

Maple (Mountain) = *Acer spicatum* (MOUNTAIN MAPLE) -- IV 346, IX 68, XI 15, 31, 59, 60

Maple (Red) = *Acer rubrum* (RED MAPLE) -- II 71, 401, III 15, 32, (35), 36, 43, 45, IV 6, 18, 37, 47, 50, 71, 138, 216, 342, 367, 377, 393, V (53), 95, 99, 111, 121, (123), 129, 156, 160, 366, 432, 436, 440, 450, VI 92, 150, 194, 208, 215, 230, 231, 244, 255, (259), 262, 299, 300, 436, 454, VII 48, 58, 61, 63, 64, 236, 328, 334, 335, 353, 368, 369, 380, 419, 443, 463, 506, 511, VIII 89, 90, 174, 207, 208, 211, 214, (218), 219, 220, 222, 225, 234, 265, 272, 301, 318, IX 14, 23, 113, 278, 338, 405, X 12, 37, 41, 42, 46, 57, 67, 77, 90, 91, (102), 105, 196, 372, 418, XI 10, 101, 152, 156, 165, 183, 193, 199, 210, 215, 216, 219, 222, 225, 230, 232, 233, 407, XII (68), 133, 163, 166, 183, 206, (218), 291, XIII 257, 260, 264, 288, 296, 313, 331, 336, 382, 416, XIV 7, 26, 61, 72, 89, 107, 108, 125, 134, 241, 243, 244, 269, 287

___ (blossom) -- VI 218, 254, VII 354; ___ (bud) -- III 336, V 53, 86, 107, 462, 482, VI 235, XIII 237; ___ (clump) -- VIII 369; ___ (fire) -- X 102; ___ (juice) -- VII 236; ___ (key) -- V 178, VI 236, 276, X 419; ___ (leaf) -- V 263, VI 341, VII 55, 413, 510, VIII 114, X 104, 105, XI 196, XIII 347; ___ (limb) -- VIII 207; ___ (reign) -- VIII 321; ___ (sap) -- VII 261, VIII 208, 215, IX 275, 285, XIII 175; ___ (sapling) -- VIII 113; ___ (seed) -- XII 197, XIII 326, 333; ___ (shoot) -- VII 103, 513; ___ (shrub) -- VII 401; ___ (sprout) -- VI 432, VII 56; ___ (stamen) -- VIII 292; ___ (stump) -- VII 459; ___ (sugar camp) -- VIII 216; ___ (swamp) VII 247, X 102, XI 221, XIV 5; ___ (top) -- VI 265, X 428; ___ (twig) -- VII 233

Maple (Red-flowering Curled) = *Acer rubrum* (RED MAPLE) -- II 201

Maple (Rock) = *Acer saccharum* (SUGAR MAPLE) -- IV 36, 38, 393, V 428, 430, VI 255, 299, VII 64, 368, 370, X 98, XI 10, 14, 15, 59, 210

___ (bud) -- IV 35; ___ (grove) -- XI 13; ___ (key) -- VI 257; ___ (leaf) -- V 451

Maple (Scarlet) = *Acer rubrum* (RED MAPLE) -- V 516

MAPLE (SILVER) = *Acer saccharinum*

Maple (Striped) = *Acer pensylvanicum* (STRIPED MAPLE) -- IV 346, VII 64, VIII 380, IX 484, XI 15, 59

Maple (Sugar) = *Acer saccharum* (SUGAR MAPLE) -- II 224, III 4, 17, IV 37, 38, 44, 46, 119, V 116, 122, 123, 160, 161, VI (259), 265, 275, 300, VII 100, 353, 357, 359, 369, 380, 513, 515, VIII 208, 216, 225, 314, IX 119, 340, 358, X 98, 433, XI 199, 207, 217, 228, 234, 244, 250, 258, 278, 364, XIV 7, 134, 220, 221, 243

___ (blossom) -- XIII 285, 290; ___ (key) -- XIII 270, 362; ___ (leaf) -- X 124, 148; ___ (sap) -- VIII 222; ___ (seed) -- XIV 107, 266; ___ (tree) -- XI 218

Maple (White) = *Acer saccharinum* (SILVER MAPLE) IV 6, 8, 37, 50, 118, 138, 301, 378, 399, V 19, 41, 42, 53, 62, 86, 99, 123, 160, 201, 386, 436, 452, VI 186, 192, 229, 255, 259, 275, 299, 332, 424, 425, 429, VII 104, 216, 222, 226, 235, 285, 301, 307, 362, 366, 369, 370, VIII 4, 148, 160, 207, 218, 219, 224, 234, 243, 264, 265, 277, 323, 332, IX 13, 220, 224, 304, 305, 414, 415, X 28, 30, 42, 50, 67, 77, 98, 102, 330, 338, 346, 423, 427, XI 101, 105, 121, 128, 152, 171, 197, 209, 215, 216, 233, 251, 256, 288, 297, 316, XII (68), 86, 133, 210, (218), 255, 260, XIII 200, 206, 207, 308, 309, 418, XIV 336

___ (blossom) -- IX 303; ___ (blossom-bud) -- VII 253; ___ (bough) -- VII 428; ___ (branch) -- V 99; ___ (bud) -- V 12, VI 175, VII 269, VIII 146, 244, 247, IX 292, XIII

183, 208; __ (flower) -- XII 96; __ (key) -- V 178, 203, 238, VI 312, VII 409, VIII 362, X 414, 447, 488; __ (leaf) -- VI 392, XI 196, XII 199; __ (sap) -- VIII 224, 225; __ (seed) -- XIII 309; __ (stamen) -- VI 180, VII 287, 294, X 329; __ (stigma) -- IX 299; __ (swamp) -- XIII 229

Marginal Fern = *Dryopteris marginalis* (MARGINAL WOODFERN) -- X 250, XI 333

Marigold = *Bidens* spp. (BUR-MARIGOLD) -- IV 108

Marigold (Marsh-) = *Caltha palustris* (MARSH MARIGOLD, COWSLIP) -- II 216

MARJORAM = *Majorana* spp.

MARJORAM (WILD) = *Origanum vulgare*

MARSH FERN = *Dryopteris thelypteris*

Maruta cotula = *Anthemis cotula* (MAYWEED) -- IV 141

Masterwort = *Heracleum maximum* (COW PARSNIP) -- XI 28

Mayflower = *Epigaea repens* (TRAILING ARBUTUS) -- II 54, 181, 427, III 362, 364, 400, 467, 480, IV 54, 120, VI 199, 239, 299, 372, VII 95, VIII 302, 306, X 365, 381, 463, 464, 477, XI 327, XII 184, XIII 232, XIV 28

__ (bud) -- III 400; __ (leaf) -- III 95

Mayweed = *Anthemis cotula* (MAYWEED) -- II 324, 332, 370, 415, IV 68, 141, 382, 391, V 299, 384, 450, 488, VI 377, IX 83, 114, XIII 413

Meadow-beauty = *Rhexia virginica* (COMMON MEADOW-BEAUTY) -- II 504, IV 229, V 325, 392, 408

Meadow-grass = ¹⁹³ -- i 115, I 126, III 139, IV 171, 237, V 155, 301, 511, VI 420, VII 403, IX 6, XII 204

Meadow-rue = *Thalictrum* spp. (MEADOW-RUE)¹⁹⁴ -- II 292, IV 90, 231, 257, 261, V 273, VI 335, XIII 373

Meadow-sweet = *Spiraea latifolia* (MEADOWSWEET) -- II 298, 309, 324, 330, 370, 415, 487, III 376, IV 16, 61, 151, 152, 211, 322, V 117, 126, 160, 283, 336, 348, VI 225, 232, 234, 298, 360, VII 329, 330, 357, VIII 72, 305, IX 84, X 463, 464, XI

128, 232, 241, 258, 289, 301, 309, 312, XII 162, 208, XIII 31, 32, 256, XIV 18, 26, 28, 31

___ (head) -- IV 174; ___ (meadow) -- IV 269; ___ (top) -- V 57

Medeola = *Medeola virginiana* (INDIAN CUCUMBER-ROOT) -- II 69, IV 71, 80, V 219, 330, 417, 419, VI 316, XII 294, 304, 382

___ (berry) -- V 415, VII 36, IX 51; ___ (leaf) -- XI 201

Medeola virginiana (INDIAN CUCUMBER-ROOT) -- see Cucumber-root, *Medeola*, *Medeola virginica*

Medeola virginica = *Medeola virginiana* (INDIAN CUCUMBER-ROOT) -- II 427

Medicago sativa (ALFALFA) -- see Lucerne

Megalodonta beckii (WATER MARIGOLD) -- see *Bidens beckii*, Water-marigold

Melampyrum americanum = *Melampyrum lineare* (COWWHEAT) -- II 415

Melampyrum lineare (COWWHEAT) -- see Cow-wheat

Melilot = *Melilotus alba* (WHITE SWEET CLOVER)¹⁹⁵ -- IV 219, VI 386

Melilot (White) = *Melilotus alba* (WHITE SWEET CLOVER) -- IV 210

Melilotus alba (WHITE SWEET CLOVER) -- see Melilot, Melilot (White)

Melilotus leucantha = *Melilotus alba* (WHITE SWEET CLOVER) -- IV 210

Melissa officinalis (BALM) -- see Balm

Menispermum canadense (MOONSEED) -- see Moon-seed

Mentha spp. (MINT) -- see Mint

Mentha arvensis (WILD MINT)¹⁹⁶ -- see Horsemint, *Mentha borealis*, *Mentha canadensis*, Mint (White)

Mentha borealis = *Mentha arvensis* (WILD MINT)¹⁹⁶ -- II 415

Mentha canadensis = *Mentha arvensis* (WILD MINT)¹⁹⁶ -- IV 233, V 387

Mentha piperita (PEPPERMINT) -- V 387

see also Peppermint

Mentha spicata (SPEARMINT) -- see Spear-mint

Mentha viridis = *Mentha spicata* (SPEARMINT) -- IX 4

Menyanthes = *Menyanthes trifoliata* (BUCKBEAN) -- IX 44, XIII 296

Menyanthes trifoliata (BUCKBEAN) -- see Buck-bean, *Menyanthes*

Menziesia caerulea = *Phyllodoce caerulea* (MOUNTAIN HEATH)¹⁹⁷ -- XI 17

Mercury (Three-seeded) = *Acalypha virginica* (THREE-SEEDED MERCURY)/*Acalypha rhomboidea* (THREE-SEEDED MERCURY)² -- IV 279

Mermaid-weed = *Proserpinaca palustris* (MERMAID WEED) -- II 432

Mikania = *Mikania scandens* (CLIMBING HEMPWEED) -- III 74, IV 298, 300, 326, V 301, 325, 337, 367, 388, 403, VI 6, 332, 411, 421, 440, VII 40, 54, 421, VIII 20, 119, 445, 462, IX 114, X 27, XI 70, 114, 117, 132, 214, 407, XII 260, 305, 336, 339, 368, 388, XIV 7, 55, 73, 74

___ (blossom) -- IV 389, VII 6; ___ (stem) -- VIII 161

Mikania scandens (CLIMBING HEMPWEED) -- II 440, III 28, IV 295, VIII 118

___ (vine) -- V 301

see also *Mikania*

Milfoil = *Achillea millefolium* (YARROW) -- VI 351

Milfoil = *Myriophyllum* spp. (WATER MILFOIL) -- V 308, VII 48

Milfoil (Floating) = *Myriophyllum* spp. (WATER MILFOIL) -- VI 489

Milfoil (Water) = *Myriophyllum* spp. (WATER MILFOIL) -- VI 307, XII 261, 272

Milkweed = *Asclepias* spp. (MILKWEED) -- II 261, 281, 298, 308, 314, 318, III 18, 19, 23, 31, 57, IV 79, 208, 284, 342, 396, V 289, 336, 375, VI 404, VII 435, VIII 114, 306, IX 102, XI 246, XIV 63, 326

___ (bark) -- VIII 175; ___ (down) -- V 46, VII 60, XIV 77; ___ (fibre) -- VIII 120, X 450; ___ (leaf) -- V 395; ___ (pod) -- III 128, VI 268; ___ (seed) -- III 46, 58, 63, VII 488; ___ (silk) -- VIII 113

Milkweed (Common) = *Asclepias syriaca* (COMMON MILKWEED) -- II 314, XI 335

___ (down) -- IV 373

Milkweed (Poke-leaved) = *Asclepias exaltata* (POKE MILKWEED) -- VIII 403

Milkweed (Water) = *Asclepias incarnata* (SWAMP MILKWEED) -- V 492, VI 382, VII 527, VIII 72, 138, 407, IX 99, XI 288

___ (flower) -- XI 70; ___ (stem) -- VIII 119

MILKWORT = *Polygala* spp.

Milkwort (Sea) = *Glaux maritima* (SEA MILKWORT) -- II 354

Millet Grass = *Setaria* spp. (BRISTLY FOXTAIL) -- XI 124

Mimulus = *Mimulus ringens* (MONKEY FLOWER) -- VIII 420, IX 29

Mimulus ringens (MONKEY FLOWER) -- IV 244, 285, V 329, VI 397, IX 5

see also Mimulus, Monkey-flower

Mint = *Mentha* spp. (MINT)/*Pycnanthemum* spp. (MOUNTAIN MINT)/*Labiatae* (MINT FAMILY) -- i 116, I 127, II 216, IV 74, 95, 400, V 128, 299, 357, VII 113, IX 5, XII 305, 347, 350

Mint (Common Mountain) = *Pycnanthemum incanum* (HOARY MOUNTAIN MINT) -- V 322

Mint (Mountain) = *Pycnanthemum* spp. (MOUNTAIN MINT) -- II 461, IV 247, V 357

Mint (White) = ¹⁹⁸ -- XII 305

Mistletoe = ¹⁹⁹ -- II 205

MISTLETOE (DWARF) = *Arceuthobium pusillum*

Mitchella = *Mitchella repens* (PARTRIDGEBERRY) -- IV 258, VI 149, 284, 372, VII 36, XII 382, 383, 386

___ (berry) -- IV 353, V 423, XII 302

Mitchella repens (PARTRIDGEBERRY) -- III 89, IV 129, 265, V 256, VI 12, XI 327, XII 216, 127

___ (berry) -- VI 129

see also *Mitchella*, Partridgeberry

Mitella diphylla (MITERWORT, BISHOP'S CAP) -- IX 80

MITERWORT = *Mitella diphylla*

MITERWORT (FALSE) = *Tiarella cordifolia*

Mockernut = *Carya tomentosa* (MOCKERNUT HICKORY) -- IV 396, V 482, IX 405, 407, 414, X 90, XI 243, 269, 279, 333, 334, XII 326

___ (tree) -- V 486, VII 518

___ (-ing) -- XI 334

Mollugo verticillata (CARPETWEED) -- II 423, IV 172

see also Carpet-weed

Monarda = *Monarda fistulosa* (WILD BERGAMOT) -- VI 404

___ (road) -- VII 61

Monarda didyma (OSWEGO TEA, BEE-BALM) -- VI 403

Monarda fistulosa (WILD BERGAMOT) -- VI 403, IX 4, XI 81, 133

see also *Monarda*

Monkey-flower = *Mimulus ringens* (MONKEY FLOWER) -- IV 244, 291

Monotropa = *Monotropa uniflora* (INDIAN PIPE) -- XI 139

Monotropa hypopithys (FALSE BEECHDROPS) -- see Beechdrops, Beechdrops (False), Hypopitys, *Hypopitys lanuginosa*, Pine-sap

Monotropa uniflora (INDIAN PIPE) -- II 433, IV 247, XI 100

see also Indian-pipe, *Monotropa*, Tobacco-pipe

Moon-seed = *Menispermum canadense* (MOONSEED) -- IV 90, VII 64

Moose-berry²⁰⁰ = *Viburnum alnifolium* (HOBBLEBUSH) -- IV 345

Moosewood = *Acer pensylvanicum* (STRIPED MAPLE) -- IV 346, VIII 380, IX 414

Morel (Petty) = *Aralia racemosa* (SPIKENARD) -- IV 286, V 337

— (berry) -- XI 155

Morning-glory = *Convolvulus* spp. (BINDWEED)/*Ipomoea* spp. (MORNING GLORY)²⁰¹ -- IV 142, 154, 164, 171, 216, V 289, 330, VI 360, 364, VIII 386, XII 216

Morning-glory (Red) = *Convolvulus sepium* (HEDGE BINDWEED) -- V 295

Morning-glory (White) = *Convolvulus sepium* (HEDGE BINDWEED) -- IX 5

Morning-glory (Wild) = *Convolvulus sepium* (HEDGE BINDWEED) -- II 318

Morus = *Morus* spp. (MULBERRY)³² -- VII 393, 416, IX 396

see also Mulberry

Morus alba (WHITE MULBERRY) -- see Morus

Morus nigra (BLACK MULBERRY) -- IX 396

Morus rubra (RED MULBERRY)²⁰² -- IX 396

see also Mulberry (Red)

Moss (Spanish) = *Tillandsia usneoides* (SPANISH MOSS) -- VI 450

Motherwort = *Leonurus cardiaca* (COMMON MOTHERWORT) -- IV 161, V 295, VI 372

Mountain-ash = *Pyrus* spp. (MOUNTAIN-ASH)⁴⁹ -- IV 46, V 175, VI 235, 251, 282, 298, VII 64, 339, 384, VIII 324, IX 89, 379, X 454, 458, 464, 476, XI 23, 30, 45, 59, 60, 61, 242, XII 380, 382, XIII 158, XIV 18, 26, 28, 32, 342

___ (berry) -- IV 294, 347, VI 438, XII 259, 292, 309, 335; ___ (tree) -- IX 460, XII 342

Mountain-ash (American) = *Pyrus americana* (AMERICAN MOUNTAIN-ASH) -- IX 415, (460), XI (263), XII 194

Mountain-ash (European) = *Pyrus aucuparia* (EUROPEAN MOUNTAIN-ASH) -- VII 358, IX (415), (460), XI 261, 263

Mountain Fringe = *Adlumia fungosa* (CLIMBING FUMITORY, MOUNTAIN-FRINGE) -- IX 6

MOUNTAIN HEATH = *Phyllodoce caerulea*

MOUNTAIN RICE = *Oryzopsis* spp.

Mouse-ear = *Antennaria* spp. (PUSSYTOES) -- II 180, V 110, 184, 199, 435, VI 117, 210, 229, 230, VII 434, VIII 60, X 57, 301, 358, 365, 447, XII 132, 133, 176, XIII 247, 289, 293, 298, 309

___ (down) -- VI 302, 312, VII 390, VIII 353, XIII 292, 293, 305; ___ (leaf) -- X 298

Mouse-ear (Water) = *Myosotis laxa* (SMALLER FORGET-ME-NOT) -- IV 74

MUGWORT = *Artemisia vulgaris*

Muhlenbergia = *Muhlenbergia* spp. (SATIN GRASS) -- XIV 67

Muhlenbergia glomerata (CLUSTERED SATIN GRASS) -- XIV 65, 67

Muhlenbergia mexicana (SATIN GRASS)²⁰³ -- XIV 73, 91

Muhlenbergia sobolifera (ROCK DROPSEED) -- XIV 73

Muhlenbergia uniflora (FALL DROPSEED) -- see *Eragrostis capillaris*, *Sporobolus* Grass, *Sporobolus serotinus*

Mulberry = *Morus* spp. (MULBERRY) -- II 126, III 43, 59, 64, VI 265, 295, 301, 384, X 64, 81, XII 154

___ (pollen) -- VII 404; ___ (tree) -- VII 197

Mulberry (Red) = *Morus rubra* (RED MULBERRY)²⁰² -- VIII 401, XI 243

Mulgedium = *Lactuca biennis* (TALL BLUE LETTUCE) -- V 352, 396, VI 414, VIII 450, 462, 463, XII 257

Mulgedium leucophaeum = *Lactuca biennis* (TALL BLUE LETTUCE) -- IV 306, 322

Mullein = *Verbascum thapsus* (COMMON MULLEIN) -- i 56, 349, I 59, 302, II 42, 99, 276, 292, 309, 412, 423, III 248, IV 116, 165, 258, 348, 358, 485, V 56, 72, 80, 272, VI 351, VII 293, VIII 60, 334, IX 99, 124, 240, 388, XI 238, XII 80, XIII 68, 196, 423, XIV 222

___ (field) -- XI 149, 156; ___ (leaf) -- II 5, 104, III 48, IV 403, V 80, VII 510, X 254, XII 26; ___ (stalk) -- II 319, V 72; ___ (top) -- VI 486

Mustard = *Brassica nigra* (BLACK MUSTARD) -- V 177

Mustard (Tower) = *Arabis drummondi* (DRUMMOND'S ROCK CRESS) -- VII 293, IX 283, XI 155, XII 132,

Myosotis = *Myosotis* spp. (FORGET-ME-NOT) -- XII 12

___ (ditch) -- VIII 408

see also Forget-me-not

Myosotis laxa (SMALLER FORGET-ME-NOT) -- IV 74, 91, V 163, 188, VII 407, VIII 352

Myosotis stricta = *Myosotis verna* (SPRING FORGET-ME-NOT) -- V 151, 163, VI 269, VII 393, VIII 341, XIII 292

Myosotis verna (SPRING FORGET-ME-NOT) -- see *Myosotis stricta*, *Myosotis* (Viscid)

Myosotis (Viscid) = ²⁰⁴ -- V 184

Myrica = *Myrica gale* (SWEET GALE) -- II 126

Myrica = *Myrica pensylvanica* (NORTHERN BAYBERRY) -- VII 383, 399

Myrica cerifera = *Myrica pensylvanica* (NORTHERN BAYBERRY) -- VIII 362

Myrica gale (SWEET GALE) -- see Sweet-gale

Myrica pensylvanica (NORTHERN BAYBERRY) -- see Bayberry, *Myrica cerifera*

Myriophyllum = *Myriophyllum* spp. (WATER MILFOIL) -- IX 84, 128

see also Milfoil, Milfoil (Floating), Milfoil (Water)

Myriophyllum ambiguum = *Myriophyllum humile* (LOW WATER MILFOIL) -- VI 453, X 8, XI 92, 141, XII 261, 272

Myriophyllum humile (LOW WATER MILFOIL) -- see *Myriophyllum ambiguum*

Myriophyllum tenellum (SLENDER WATER MILFOIL) -- VI 456

Nabalus = *Prenanthes* spp. (RATTLESNAKE-ROOT) -- IV 239, V 362, VIII 420, X 35, 39 XI 24, 26 XII (308)

___ (family) -- X 32; ___ (leaf) -- X 426

Nabalus alba = *Prenanthes alba* (WHITE LETTUCE) -- II 467, IV 292, VI 414, VIII 431, X 39, XI 129, XII 305, 353

Nabalus altissimus = *Prenanthes altissima* (TALL WHITE LETTUCE) -- IX 69, 79, XI 141

Nabalus boottii = *Prenanthes boottii* (BOOTT'S RATTLESNAKE-ROOT) -- XI 24, 26, 60

Nabalus fraseri = *Prenanthes serpentaria* (LION'S-FOOT) -- II 467, X 32, 39, XI 129, 141

Naiad (Canada) = *Najas flexilis* (COMMON NAIAD)/*Najas gracillima* (SLENDER NAIAD)² -- XIII 375

Naias flexilis = *Najas flexilis* (COMMON NAIAD)/*Najas gracillima* (SLENDER NAIAD)² -- XIII 268

Najas flexilis (COMMON NAIAD) -- see Naiad (Canada), *Naias flexilis*

Najas gracillima (SLENDER NAIAD) -- see: Naiad (Canada), *Naias flexilis*

NANNYBERRY = *Viburnum lentago*

Nasturtium = *Rorippa* spp. (YELLOW CRESS)/*Nasturtium officinale* (WATER CRESS)/*Armoracia* spp. (HORSERADISH, LAKE CRESS) -- X 440

Nasturtium armoracia = *Armoracia lapathifolia* (HORSERADISH) -- X 440

Nasturtium hispidum = *Rorippa islandica* (MARSH YELLOW CRESS) -- VI 351, 473, VIII 411

Nasturtium lacustre = *Armoracia aquatica* (LAKE CRESS) -- X 441

Nasturtium officinale (WATER CRESS) -- XII 164, 223

see also Cress (English), Cress (English Brook)

Nasturtium palustre = *Rorippa islandica* (MARSH YELLOW CRESS) -- IV 209, V 317

Naumbergia = *Lysimachia thyrsiflora* (TUFTED LOOSESTRIFE) -- IX 458

Naumbergia thyrsiflora = *Lysimachia thyrsiflora* (TUFTED LOOSESTRIFE) -- IX 411

NECKWEED = *Veronica peregrina*

Nelumbo spp. (NELUMBO) --see Lotus

Nemopantes = *Nemopanthus mucronata* (MOUNTAIN HOLLY) -- IV 68, V 160, 175, VI 277, 281, 284, 300, VII 389, VIII 340, IX 376, X 96, 462, 464, XI 45, 59, XIII 296

— (flower) -- XII 188

Nemopantes canadensis = *Nemopanthus mucronata* (MOUNTAIN HOLLY) -- II 206

Nemopanthus mucronata (MOUNTAIN HOLLY) -- see Holly, Holly (Wild), *Nemopantes*, *Nemopantes canadensis*

Neottia = *Spiranthes* spp. (LADIES'-TRESSES)/*Goodyera* spp. (RATTLESNAKE-PLANTAIN)²⁰⁵ -- II 396, 410, 474, III 476, IV 236, V 348, 385, 390

Neottia (Drooping) = *Spiranthes cernua* (NODDING LADIES'-TRESSES) -- II 493

Neottia gracilis = *Spiranthes gracilis* (SOUTHERN SLENDER LADIES'-TRESSES)/*Spiranthes lacera* (NORTHERN SLENDER LADIES'-TRESSES)² -- XI 64

Neottia pubescens = *Goodyera pubescens* (DOWNY RATTLESNAKE-PLANTAIN) -- II 407, IV 316

Neottia repens = *Goodyera tessellata* (CHECKERED RATTLESNAKE-PLANTAIN) -- IV 319

Neottia (Slender) = *Spiranthes gracilis* (SOUTHERN SLENDER LADIES'-TRESSES)/*Spiranthes lacera* (NORTHERN SLENDER LADIES'-TRESSES)² -- IV 292

Neottia (Veined) = *Goodyera pubescens* (DOWNY RATTLESNAKE-PLANTAIN) -- II 407

Nepeta = *Glechoma hederacea* (GILL-OVER-THE-GROUND) -- IV 79, VI 256

Nepeta cataria (CATNIP) -- IV 163

see also Catnip

Nepeta glechoma = *Glechoma hederacea* (GILL-OVER-THE-GROUND) -- II 216, IV 322, V 134

Nesaea = *Decodon verticillatus* (SWAMP LOOSESTRIFE) -- XI 148

Nettle = *Urtica* spp. (NETTLE) -- i 271, I 220, IV 491, V 308, VIII 429, IX 82, XII 341

Nettle (Common) = *Urtica procera* (TALL NETTLE) -- IV 287, VI 372

NETTLE (FALSE) = *Boehmeria cylindrica*

Nettle (Large Stinging) = *Urtica dioica* (STINGING NETTLE) -- II 388

Nettle (Stinging) = *Urtica dioica* (STINGING NETTLE) -- IV 240

Nettle-tree = *Celtis occidentalis* (COMMON HACKBERRY) -- II 198

NETTLE (WOOD) = *Laportea canadensis*

Neuropteris = ²⁰⁶ -- VIII 423

New Jersey Tea = *Ceanothus americanus* (NEW JERSEY TEA) -- IV 178

NEW YORK FERN = *Dryopteris noveboracensis*

Nicandra physalodes = *Datura stramonium* (JIMSONWEED) -- VII 483

Nicotiana tabacum (TOBACCO) -- II 221, XII 340

see also Tobacco

Nightshade = *Solanum* spp. (NIGHTSHADE)²⁰⁷ -- II 53, 281, 313, 411, V 224, VI 344, 359, XI 186

___ (berry) -- II 431, V 338, 485, 495, VIII 445, XII 307; ___ (leaf) -- III 64, X 61; ___ (seed) -- XII 355; ___ (shoot) -- VII 388

Nightshade (Black) = *Solanum nigrum* (EUROPEAN NIGHTSHADE)/*Solanum americanum* (AMERICAN NIGHTSHADE)² -- XII 341

Nightshade (Enchanter's) = *Circaea* spp. (ENCHANTER'S NIGHTSHADE) -- IV 196, 219, VIII 382

Nightshade (Woody) = *Solanum dulcamara* (BITTER NIGHTSHADE) -- IV 89

Noli-me-tangere = *Impatiens capensis* (SPOTTED TOUCH-ME-NOT) -- V 311, XII 260

Nuphar = *Nuphar* spp. (YELLOW POND LILY) -- III 404, IV 257, V 19, 337, VI 211, 469, VII 256, VIII 213, IX 494, XII 133

___ (root) -- VII 257

see also Lily (Yellow), Lily (Yellow Water), Spatter-dock

*Nuphar advena*²⁰⁸ = *Nuphar variegatum* (BULLHEAD LILY) -- II 186, V 9, VIII 359, X 448, XI 46, XII 326, XIII 276

Nuphar (Great) = *Nuphar variegatum* (BULLHEAD LILY)

___ (leaf) -- XIII 409; ___ (root) -- IV 413

Nuphar kalmiana = *Nuphar microphyllum* (SMALL YELLOW POND LILY)/*Nuphar rubrodiscum* (RED COW-LILY)² -- III 54, IV 125, 239, 310, V 403, VI 308, VII 407, VIII 422

Nuphar lutea = *Nuphar microphyllum* (SMALL YELLOW POND LILY)/*Nuphar rubrodiscum* (RED COW-LILY)² -- IV 111, 168, VI 344, 350

— (pad) -- VI 448

Nuphar microphyllum (SMALL YELLOW POND LILY) -- see Kalmiana, Lily (Kalmiana), Lily (Little Yellow), Lily (Small Yellow), *Nuphar kalmiana*, *Nuphar lutea*

Nuphar rubrodiscum (RED COW-LILY) -- see Kalmiana, Lily (Kalmiana), Lily (Little Yellow), Lily (Small Yellow), *Nuphar kalmiana*, *Nuphar lutea*

Nuphar variegatum (BULLHEAD LILY) -- see Lily (Great Spatterdock), Lily (Great Yellow), Lily (Large Yellow), *Nuphar advena*, *Nuphar* (Great), Water-lily (Yellow)

Nutmeg = *Myristica fragrans* (NUTMEG) -- IV 301

Nux vomica = *Strychnos nux-vomica* (STRYCHNINE) -- II 219

Nymph (Water) = *Nymphaea odorata* (SWEET-SCENTED WATER LILY) -- IV 147

Nymphaea odorata (SWEET-SCENTED WATER LILY)²⁰⁹ -- IV 147, 214, VI 352

see also Lily (White), Pond-lily (White), Water-lily (White)

Nymphoides cordata (FLOATING HEART) -- see Floating-heart, Heart-leaf, *Villarsia lacunosa*

Nyssa multiflora = *Nyssa sylvatica* (BLACK TUPELO) -- II 349

Nyssa sylvatica (BLACK TUPELO) -- see *Nyssa multiflora*, Pepperidge, Tupelo

Oak = *Quercus* spp. (OAK) -- i 5, 10, 41, 57, 127, 135, 136, 150, 154, 178, 223, 339, 345, 347, 381, 400, 409, I 3, 4, 9, 42, 90, 91, 139, 161, 166, 290, 296, 298, 338, 359, 381, 408, 424, II 9, 17, 18, 59, 90, 99, 103, 154, 197, 199, 203, 316, 366, 377, 416, 457, 461, 482, 486, III 33, 35, 37, 55, 63, 69, 80, 97, 132, 218, 220, 223, 228, 261, 276, 279, 301, 302, 338, 344, 349, 356, 358, 380, 385, 393, 404, 409, 420, 428, 432, 434, 439, 441, 456, 463, 466, 481, 484, IV 3, 6, 19, 30,

32, 33, 42, 47, 52, 59, 64, 71, 79, 80, 83, 84, 89, 113, 117, 128, 158, 184, 192, 218, 227, 234, 277, 298, 312, 320, 342, 355, 394, 399, 405, 416, 422, 429, 439, 440, 441, 448, 462, 465, 473, V 17, 25, 30, 35, 50, 51, 54, 73, 91, 94, 98, 117, 123, 129, 137, 138, 147, 149, 153, 235, 249, 250, 268, 271, 295, 296, 364, 383, 384, 386, 389, 390, 391, 416, 427, 441, 444, 516, 520, 527, VI 27, 37, 40, 48, 60, 156, 164, 208, 220, 223, 229, 239, 243, 249, 256, 262, 265, 266, 280, 289, 293, 295, 321, 322, 351, 355, 363, 414, 419, 422, 459, 470, VII 9, 10, 14, 15, 21, 35, 36, 39, 45, 46, 48, 49, 60, 63, 72, 118, 120, 127, 128, 129, 133, 140, 235, 236, 267, 285, 308, 313, 334, 342, 359, 362, 370, 373, 383, 384, 388, 424, 450, 455, 457, 462, 472, 508, 518, 527, VIII 4, 6, 15, 23, 38, 67, 73, 82, 97, 120, 127, 138, 159, 196, 254, 255, 267, 268, 269, 270, 273, 315, 329, 331, 335, 339, 340, 342, 344, 362, 392, 407, 415, 432, IX 26, 81, 86, 88, 111, 137, 169, 170, 192, 212, 218, 230, 253, 339, 348, 352, 380, 404, 406, 421, 434, X 11, 30, 40, 41, 44, 51, 56, 57, 67, 69, 80, 88, 90, 91, 94, 96, 102, 113, 117, 119, 132, 133, 138, 148, 175, 183, 199, 220, 248, 278, 279, 280, 365, 419, 424, 428, 435, 439, 451, 504, 506, 509, XI 9, 38, 54, 88, 101, 102, 106, 110, 112, 132, 134, 141, 143, 153, 163, 169, 196, 198, 203, 207, 211, 220, 222, 230, 235, 236, 237, 239, 245, 247, 248, 249, 250, 253, 264, 265, 278, 284, 302, 308, 323, 333, 334, 339, 340, 341, 344, 352, 364, 375, 385, 394, 434, 449, XII 6, 32, 40, 56, 58, 71, 76, 125, 158, 180, 188, 190, 194, 207, 219, 222, 277, 351, 352, 362, 374, 385, 442, 447, 451, XIII 10, 76, 83, 91, 123, 148, 192, 214, 258, 260, 288, 294, 295, 296, 309, 317, 325, 329, 331, 333, 338, 341, 347, 359, 410, 416, 417, XIV 75, 95, 101, 103, 105, 115, 121, 125, 126, 127, 128, 129, 130, 131, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157, 158, 162, 164, 165, 166, 167, 168, 169, 170, 171, 175, 178, 179, 180, 181, 182, 183, 184, 188, 189, 190, 191, 192, 194, 195, 196, 198, 200, 205, 206, 209, 210, 212, 213, 215, 216, 218, 220, 221, 223, 225, 226, 227, 229, 230, 242, 247, 248, 249, 252, 253, 254, 255, 259, 263, 267, 268, 269, 271, 272, 276, 277, 279, 280, 281, 282, 285, 286, 289, 290, 291, 296, 307, 312, 313, 323, 331

__ (-apple)²¹⁰ -- III 174, IV 71, XIII 361; __ (-ball)²¹⁰ -- II 490, III 380, IV 89, V 204, VI 321, VII 115, 139, 140, 407, 417, XIV 163; __ (bark) -- VIII 108, 255; __ (barrel) -- VII 264; __ (bough) -- V 120, XIV 249; __ (bud) -- IV 43, VI 244; __ (-en carrot) -- XIV 170; __ (catkin) -- VI 278; __ (-clad hillside) -- IV 383; __ (-corn) -- XIV 166; __ (excrescence) -- IX 294; __ (forest) -- IV 394, XIV 137, 199, 217, 230, 312; __ (frame) -- IX 266; __ (grove) -- IV 84, 137, 236, 449; __ (joist) -- VII 518; __ (leaf) -- I 380, II 130, 196, 311, III 129, 178, 206, 274, 290, 292, 324, 334, IV 7, 19, 59, 69, 312, 401, 409, 412, 488, V 30, 117, 280, 282, 310, 347, 484, 501, VI 40, 63, 75, 117, 134, 214, 225, 236, 265, 279, 327, 328, VII 89, 107, 114, 115, 118, 120, 123, 157, 167, 188, 371, 378, 496, 512, VIII 59, 96, 155, 166, 180, 238, 254, 275, 416, IX 153, 164, 171, 182, 193, 240, 242, 246, 380, X 84, 106, 117, 132, 158, 175, 186, 194, 214, 281, 506, XI 203, 207, 248, 279, 320, 334, 337, 343, 356, 357, 368, 371, 378, 384, 387, 390, 412, 434, 449, XII 16, 46, 50, 51,

55, 56, 65, 82, 95, 110, 113, 114, 125, 158, 167, 172, 173, 186, 215, XIII 19, 34, 81, 90, 122, 132, 225, 281, 301, 386, XIV 187, 210, 230, 259; __ (leafet) -- VI 256, VIII 341, XIII 300; __ (-like) -- IX 136; __ (limb) -- VII 157; (log) -- VIII 11, IX 344; __ (lot) -- XIV 128, 151, 208, 209, 211, 213, 215, 216, 226; __ (meadow lot) - - XIII 317; __ (meadow wall) -- XIII 317; __ (-en part) -- XIV 179, 181; __ (peninsula) -- VII 310; __ (pin) -- III 42; __ (plain) -- V 38, VII 59; __ (post) -- II 318; __ (rail) -- III 299, VII 459, 462; __ (rose) -- XI 277; __ (sapling) -- VII 162, VIII 108, X 279, 424; __ (scrag) -- XII 265; __ (scrub) -- XIV 177; __ (seedling) -- XIV 130, 135, 143, 169, 180, 181, 183, 187, 192, 271, 286; __ (shoot) -- XII 188; __ (sill) -- XII 37; __ (sprout) -- II 156, IV 228, VI 410, 420, X 152, 162, 182, 258, XI 302, XIII 359, 410, XIV 164, 169, 177, 198, 255, 256; __ (sprout-land) -- XI 215, 235, 262, 320, XIV 105, 165, 194; __ (stick) -- VII 487, XIV 314; __ (stump) -- III 131, 456, VI 196, VII 261, 314, 459, 502, 504, VIII 18, 466, X 257, 275, XII 131, XIV 69, 145, 154, 156, 157, 164, 165, 167, 181, 198, 210, 212, 222, 239, 241, 253, 254, 255, 270; __ (timber) -- VII 462, VIII 18, X 224, XIV 159; __ (-top) -- IV 441, VI 363, X 218, XI 351, XII 20, XIV 226; __ (tree) -- i 79, I 86, II 31, III 39, IV 48, VII 462, X 152, 509; __ (tree top) -- XIV 116; __ (trunk) -- XIV 226, 273; __ (twig) -- IV 316, VI 105, VIII 344, XI 112; __ (wine) -- XI 278; __ (woodland) -- XI 367, 384, XIV 276; __ (wood lot) -- XIV 126, 127; __ (woods) -- III 152, 176, 228, 254, 261 V 117, 361, 502, VI 138, 445, VII 60, 217, 442, 483, 504, VIII 107, IX 158, 313, 421, 429, X 40, XI 90, 100, 101, 278, 283, 289, 295, 298, 323, 351, 368, XII 4, 59, 392, 458, XIII 34, 86, 169, 208, 219, 316, XIV 122, 126, 130, 131, 136, 140, 142, 144, 145, 149, 151, 152, 156, 157, 169, 179, 180, 181, 183, 187, 188, 189, 199, 200, 210, 211, 218, 219, 223, 225, 226, 228, 229, 230, 247, 248, 249, 250, 253, 255, 258, 268, 271, 272, 280, 304, 312, 323; __ (wood top) -- XI 298

Oak (Bear) = *Quercus ilicifolia* (SCRUB OAK) -- II 216, IV 477, VI 261

__ (acorn) -- VI 428

Oak (Bear Scrub) = *Quercus ilicifolia* (SCRUB OAK) -- VI 280, VII 105, (114), (115), 139

Oak (Bear Shrub) = *Quercus ilicifolia* (SCRUB OAK) -- VI 279, 287

Oak (Black) = *Quercus velutina* (BLACK OAK) -- II 201, 216, III 57, 80, 141, 223, 380, IV 42, 48, 67, 89, 112, 379, 399, (477), V 20, 66, 126, 138, (149), 156, 157, 160, 167, 168, (268), (296), 440, 447, 450, VI 3, 236, 244, 264, 266, 268, 279, 280, 287, 289, 300, 331, (332), 406, 423, VII (45), (48), (49), 51, 55, 60, 103, (108), (114), 127, (139), 272, 374, 379, (383), 405, 506, VIII (108), 392, IX 118, 128, 170, (193), 201, 380, 386, (391), X 26, 30, 87, 94, 129, 195, XI 211, 214, (216), 233, (235), 247, 248, 264, (265), (266), 271, 302, 306, 347, 365, 370, 409, 411, (434), XII 18, 338, 363, 374, 381, XIII 336, 338, XIV (112), 128, 129, (154), 155, 172, 182, 216, 225, 230, 240, 242, 244, 246, 254, 270

___ (acorn) -- VII 35, 506, XI 184, XII (364), 384, XIV 148, 258; ___ (bud) -- V 123, VII 359; ___ (leaf) -- IV 403, V 168, VI 280, VII 51, 98, IX (153), 194, X 214, XI 390; ___ (leafet) -- IX 391; ___ (pollen) -- VII 383; (shoot) -- V 164; ___ (sprout) -- XI 195, 241; ___ (stump) -- XIV 197, (222), 246; ___ (top) -- XI 278, 306

Oak (Black Scrub) = *Quercus ilicifolia* (SCRUB OAK) -- VII 378, IX 118, XI 232, 248

___ (pollen) -- VII 381; ___ (tassel) -- VII 386

Oak (Black Shrub) = *Quercus ilicifolia* (SCRUB OAK) -- VI 300, 321, 328, VII 107, IX 385, XI 238, XIII 312, (336), XIV 172,

Oak (Chestnut) = *Quercus prinus* (CHESTNUT OAK) -- IV 462, 475, V 160, 172, (184), VI (266), 295, 300, VII 472, VIII 380, IX 138, 139, 391, 397, X 39, 119, XIV 264

___ (hill)-- X 119; ___ (leaf) -- IV 462, IX 391

Oak (Chinquapin) = *Quercus prinoides* (DWARF CHINQUAPIN OAK) -- II 216, IV 265, (477), V 160, 166, VI (280), 300, VII (34), 383, X 70, 83, XII 291, 399, XIII (336)

___ (leaf) -- XIII 386

Oak (Chinquapin Shrub) = *Quercus prinoides* (DWARF CHINQUAPIN OAK) -- IV 71

Oak (Dwarf Chestnut) = *Quercus prinoides* (DWARF CHINQUAPIN OAK) -- II 216, VI (266)

Oak (English) = *Quercus robur* (ENGLISH OAK) -- II 363, 377, VII 63, IX 414

OAK FERN = *Dryopteris disjuncta*

Oaks (Gerardia) = ²¹¹ -- X 30

Oak (Gray) = *Quercus coccinea* (SCARLET OAK) -- II 201

OAK (JERUSALEM) = *Chenopodium botrys*

Oak (Laurel) = *Quercus imbricaria* (SHINGLE OAK) -- IX 137

Oak (Over-cup) = *Quercus macrocarpa* (MOSSY-CUP OAK)/*Quercus lyrata* (OVER-CUP OAK)²¹² -- VIII 294, 300

Oak (Pin) = *Quercus palustris* (PIN OAK) -- IX 137, 139

Oak (Red)³⁴¹ = *Quercus velutina* (BLACK OAK) -- III 338

Oak (Red) = *Quercus rubra* (RED OAK) -- II 201, III 57, 80, 129, 141, 151, 223, 235, 318, 356, IV 42, 43, 47, 48, 67, 113, 379, 399, 439, 442, (477), (486), V (126), (138), (149), 156, 157, 160, 163, 167, 168, 228, (268), 323, 447, 450, VI 3, 36, 236, (256), 262, 266, 268, 279, 283, 284, 285, (287), 289, 300, 304, (332), 350, 406, VII 64, 112, 113, (114), 115, 139, 364, 374, 442, 506, VIII (108), 147, 360, IX 75, 118, 193, 201, 386, 391, X 55, 57, 100, 106, 156, 157, 195, 433, XI 10, (54), 81, 211, 216, 217, 232, 233, (235), 248, 256, 264, 265, 276, 306, 434, XII 447, XIII 97, 304, 331, 351, XIV 124, 128, 172, 182, 209, 214, 215, 216, (218), 225, 226, 230, 242, 270

___ (acorn) -- V 433, VI 477, VII (35), 506, XI 151, (208), 257, 288, XII 187, 324, 379, XIV 112, 148, 172, 210, 214, 258; ___ (leaf) -- II 123, III 144, 152, 178, 411, IV 67, 403, VII 98, 217, IX (153), 194, 386, XIII 309, 337, 361; ___ (leafet) -- XIII 313; ___ (pollen) -- VII 387; ___ (seedling) -- XIV 139; ___ (shrub) -- VIII 96; ___ (sprout) -- IV 71; ___ (stick) -- V 438; ___ (stump) -- XIV 226

Oak (Rock Chestnut) = *Quercus prinus* (CHESTNUT OAK) -- IV 477

Oak (Royal)²¹³ = *Quercus robur* (ENGLISH OAK) -- II 377

Oak (Scarlet) = *Quercus coccinea* (SCARLET OAK) -- III 57, 223, IV 477, (486), V 160, 436, VI 36, (266), 304, (332), VII 45, (48), 51, 55, 56, 59, (114), 115, (139), 379, 383, (506), IX 137, 170, 181, (193), 391, X 10, 40, 67, 80, 81, 84, 90, (97), 119, 148, 301, XI 207, 211, 220, 232, (235), (236), (237), 239, 244, 245, 247, 250, 251, 258, 260, 262, 264, 265, 266, 267, 268, 271, 276, 277, 278, 279, 284, 285, 291, 301, 302, 306, 308, 318, 330, 341, 368, 370, 411, 434, XII 71, 363, 374, 379, XIV (112), 124, 128, 172, 209, 225, 230, 242

___ (acorn) -- VII 47, XI 347, 411, XII 157, XIV 172, 178, 258; ___ (leaf) -- VII 51, 527, VIII 39, IX (153), 194, XI 245, 314, 338, XIII 132, 338; ___ (shrub) -- XI 248; ___ (stump) -- XIV 165, 226, 276; ___ (tassel) -- VII 383; ___ (tree) -- XI 276

Oak (Scrub) = *Quercus ilicifolia* (SCRUB OAK) -- II 216, III 111, IV 464, VI 445, IX 139, XI 195

___ (acorn) -- VII 35; ___ (lot) -- IX 210

Oak (Shingle) = *Quercus imbricaria* (SHINGLE OAK) -- IX 137

Oak (Shrub) = *Quercus ilicifolia* (SCRUB OAK)²¹⁴ -- i 211, 216, I 400, 471, II 18, 19, 85, 86, 99, 106, 107, 127, 139, 196, 305, 406, 431, III 7, 16, 40, 51, 59, 79, 93, 144, 145, 190, 223, 380, 387, 391, 411, 469, IV 10, 48, 59, 61, 65, 89, 144, 196, 197, 204, 377, 379, 409, 417, 486, V 92, 117, 126, 129, 138, 149, 160, 177, 204, 398, 400, 450, 520, VI 3, 27, 220, 224, 236, 243, 244, 253, 256, 261, 266, 278, 279, 304, 305, 321, 379, 405, 428, 479, VII 10, 49, 95, 148, 151, 183, 189, 199, 250, 353, 393, 438, VIII 75, 80, 166, 180, 319, 336, 341, 363, 368, IX 26, 60, 111, 146, 147, 148, 153, 184, 185, 191, 192, 194, 206, 216, 350, X 72, 81, 195, 198, 214, 220, 249, 262, 305, XI 126, 184, 337, 343, XII 125, 322, 338, 351, 361, 364, 368, 381, 383, 447, 453, XIII 231, 239, 294, 304, 333, 334, 338, 359, 364, XIV 63, 75, 105, 116, 128, 129, 155, 172, 175, 179, 182, 194, 195, 201, 208, 259, 263, 268, 279, 280

__ (acorn) -- IV 164, 309, V 419, VII 18, 50, XII 324, 360, 362, 379, 381, 384, 411, XIV 113, 195; __ (acorn cup) -- XII 322; __ (bud) -- IV 41; __ (color) -- XI 212; __ (cup) -- V 474; __ (fire) -- II 121; __ (flower-bud) -- VI 256; __ (gall) -- VI 318, (330); __ (hill) -- III 429, 469, IV 416; __ (hollow) -- VII 182; __ (land) -- XII 351, XIV 195; __ (leaf) -- II 85, 103, 112, 139, III 88 IV 245, 264, 409, 486, VI 331, 332, VII 321, 498, IX 145, 153, 163, (168), 184, 199, 246, X 57, 81, XI 279; __ (patch) -- IX 147; __ (path) -- IV 266; __ (plain)₂₁₅ -- III 154, 190, 334, 429, IV 5, 376, 385, 409, VI 311, VII 55, 57, 373, 378, IX 111, XI 237, 249, 337; __ (road) -- V 179; __ (stem) -- V 376, IX 146; __ (twig) -- IX 184; __ (woods) -- III 429, V 342

Oak (Solidago) = ²¹⁶ -- XII 6

Oak (Swamp) = *Quercus bicolor* (SWAMP WHITE OAK) -- VI 448, VII 421, VIII 3

Oak (Swamp White) = *Quercus bicolor* (SWAMP WHITE OAK) -- II 225, III 43, 54, 109, 129, 332, 383, 424, IV (32), 149, 151, 152, 211, 222, 301, 477, V 123, (138), 160, 172, (184), 201, 275, 307, 436, 452, 490, VI 253, 264, (266), 275, 278, (280), 285, 300, 331, 344, 371, 383, 424, 429, 470, 471, VII 14, 18, (34), (114), 126, 253, 259, 308, 428, 430, 450, 507, 527, VIII 123, 137, 200, 220, 281, 346, 405, IX 253, 397, X 50, 78, 80, 87, (100), 117, 384, XI 80, 81, 105, 164, 206, (214), 233, 256, 264, (278), 306, 378, 394, 409, 434, XII 140, 206, 244, XIII 246, 313, (336), 347, 402, 412, 416, 417, XIV 134, 209, 216, 218, 243, 248, 295, 296

__ (acorn) -- V 437, VII 58, XII 360, (364), XIV 101, 149, 172, 180, 296; __ (branch) -- XI 391; __ (catkin) -- VI 256; __ (leaf) -- VI 264, 332, VII 380, IX 168, 194, XII 188, XIII 331, 347; __ (limb) -- X 116; __ (log) -- X 114; __ (pollen) -- VII 387; __ (sprout) -- VIII 174; __ (stump) -- VIII 269, X 114; __ (top) -- XII 35; __ (wood) -- XI 408

Oak (White) = *Quercus alba* (WHITE OAK) -- II 64, 142, 216, 504, III 43, 44, 57, 87, 93, 100, 109, 111, (141), 338, 462, IV (32), 42, 48, 59, 132, 378, 379, 399, 431, 442, 448, 477, 486, V 52, 104, (138), 156, 160, 164, 167, 168, 172, 177, 180, 184, 210, 211, 245, 284, 436, 440, 447, (450), VI 3, 113, 128, 236, 243, 244, 249, 264, 266, 269, 275, 280, 286, 289, 293, 301, 304, 305, 318, 321, 331, VII (34), 36, 48, 55, 60, 63, 107, 114, 118, 121, (127), 142, 146, 149, 157, (236), 312, 378, 398, 400, 405, 414, 510, VIII 166, 197, 254, 269, 273, 323, 351, 363, IX 117, 138, 139, 188, (193), 201, 344, 380, 391, 397, X 12, 57, 70, 84, 90, (94), 119, 175, 192, 220, 238, 249, 301, (365), 509, XI (196), (207), 210, 211, (235), 236, 247, (248), (256), 265, (278), 306, 337, 341, 370, 385, 409, 411, 413, 434, XII 19, 47, 71, 117, 215, 291, (374), 375, 447, XIII 66, 83, 192, 224, 281, 288, 317, 319, 336, 338, 341, 410, XIV 96, 101, 103, 115, 123, 128, 129, 131, 133, 147, 148, 163, 165, 172, 178, 180, 182, 188, 189, (194), 209, 210, 215, 216, 217, (218), 219, 220, 221, 222, 225, 226, 227, 230, 239, 240, 242, 243, 246, 250, 252, 253, 255, 263, 270, 277, 290, 291

___ (acorn) -- II 461, III 56, 78, IV 365, VIII 35, 48, (50), (61), 506, X 103, XI (208), XII 320, 337, (364), XIV 101, 106, 112, 115, 124, 132, 143, 154, 168, 172, 180, 248, 258, 263, 264, 265, 291; ___ (bark) -- I 366; ___ (leaf) -- III 111, (144), 223, 411, IV 44, 385, 403, V 176, 338, VI 304, 311, VII 18, 98, 362, 495, 498, IX 118, 145, (153), 170, 171, 194, X 214, XI 132, 314, 315, 449, XIII 34, 337, 338, 381; ___ (leafet) -- VI 269, XIII 313; ___ (log) -- VIII 348, XII 47; ___ (pincushion) -- VI 337; ___ (pole) -- II 345; ___ (pollen) -- VII 388; ___ (sapling) -- VII 430, X 501; ___ (seed) -- XIV 131; ___ (seedling) -- XIV 253; ___ (shoot) -- X 450; ___ (shrub) -- IX 15; ___ (sprout) -- XI 302, XIV 252, 277; ___ (stick) -- XII 47; ___ (stub) -- XII 458; ___ (stump) -- XI 284, XII 215, XIV 169, 197, 217, 222, 249, 254; ___ (timber) -- V 111; ___ (top) -- XI 146; ___ (tree) -- XIII 5, XIV 188; ___ (twig) -- VII 34; ___ (year) -- XIV 115

Oak (White Shrub) = *Quercus alba* (WHITE OAK) -- X 97

Oak (Willow) = *Quercus phellos* (WILLOW OAK) -- IX 137

___ (leaf) -- IX 137

Oak (Yellow) = *Quercus muhlenbergii* (CHINQUAPIN OAK) -- II 64

Oaklet (Chinquapin) = *Quercus prinoides* (DWARF CHINQUAPIN OAK) -- XII 291

Oats = *Avena sativa* (OATS) -- VIII 410

Oats (Water) = *Zizania aquatica* (WILD RICE) -- IV 297

Oats (Wild) = *Zizania aquatica* (WILD RICE)²¹⁷ -- i 120, 471, I 132, V 221, 440, XI 105

OATS (WILD) = *Uvularia sessilifolia*

Oat Grass (Meadow) = *Danthonia* spp. (WILD OAT-GRASS)²¹⁸ -- XI 161

Oenothera spp. (EVENING PRIMROSE) -- see Primrose

Oenothera biennis (COMMON EVENING PRIMROSE)²¹⁹ -- II 273, 383, IV 159, VI 378

see also *Oenothera* (Large), Primrose (Evening), Primrose (Great), Primrose (Large), Primrose (Large Evening), Scabish, Tree-primrose

Oenothera (Large) = *Oenothera biennis* (COMMON EVENING PRIMROSE)/*Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE)² -- V 313

Oenothera parviflora (SMALL-FLOWERED EVENING PRIMROSE) -- see *Oenothera biennis*

Oenothera perennis (SMALL SUNDROPS) -- see *Oenothera pumila*, Primrose (Dwarf), Primrose (Early), Primrose (Small), Tree-primrose (Dwarf)

Oenothera pumila = *Oenothera perennis* (SMALL SUNDROPS) -- II 278, IV 92, VI 334, IX 9

Oldenlandia = *Houstonia* spp. (HOUSTONIA) -- IX 404, XI 60, 61

Oldenlandia caerulea = *Houstonia caerulea* (BLUETS) -- XI 23

Oldenlandia purpurea var. *longifolia* = *Houstonia longifolia* (LONG-LEAVED HOUSTONIA) -- IX 472

Olive = *Olea europaea* (OLIVE) -- i 65, I 69, II 197, 433

Onion (stem) = *Allium* spp. (ONION, LEEK, GARLIC) -- IV 303

Onoclea = *Onoclea sensibilis* (SENSITIVE FERN) -- VI 302, 382, 454, X 86, 100, XII 360

— (fruit) -- VI 409

Onoclea sensibilis (SENSITIVE FERN) -- V 405

see also *Onoclea*, Sensitive Fern

Onopordum acanthium (COTTON THISTLE, SCOTCH THISTLE) -- see Thistle (Scotch)

ORACH = *Atriplex* spp.

Orchidaceae (ORCHID FAMILY) -- XII 326

Orchis = *Habenaria* spp. (REIN ORCHIS) -- IV 104, 122, 164, 297, V 232, 260, 324, 336, VII 411, VIII 377

Orchis (Dwarf) = *Habenaria flava* (PALE GREEN ORCHIS) -- IV 128

Orchis (Fringed Purple) = *Habenaria fimbriata* (LARGE PURPLE FRINGED ORCHIS) -- IV 103

Orchis (Great) = *Habenaria fimbriata* (LARGE PURPLE FRINGED ORCHIS) -- IV 271, V 244, VI 360

Orchis (Great Fringed) = *Habenaria fimbriata* (LARGE PURPLE FRINGED ORCHIS) -- V 232, VI 337

Orchis (Great Purple) = *Habenaria fimbriata* (LARGE PURPLE FRINGED ORCHIS) -- IX 491

Orchis (Great Purple Fringed) = *Habenaria fimbriata* (LARGE PURPLE FRINGED ORCHIS) -- V 247, XII 208

Orchis herbiola = *Habenaria flava* (PALE GREEN ORCHIS) -- IV 128

Orchis lacera = *Habenaria lacera* (RAGGED FRINGED ORCHIS) -- VIII 409, XI 129

Orchis (Large Purple) = *Habenaria fimbriata* (LARGE PURPLE FRINGED ORCHIS) -- IV 258

Orchis psycodes = *Habenaria psycodes* (SMALLER PURPLE FRINGED ORCHIS) -- IV 271

Orchis (Purple) = *Habenaria fimbriata* (LARGE PURPLE FRINGED ORCHIS) -- IV 117, 122, 128, 200

Orchis (Ragged) = *Habenaria lacera* (RAGGED FRINGED ORCHIS) -- II 332, IV 229, V 316

Orchis (Smaller Fringed) = *Habenaria psycodes* (SMALLER PURPLE FRINGED ORCHIS) -
- VI 401

Orchis (Small Purple) = *Habenaria psycodes* (SMALLER PURPLE FRINGED ORCHIS) --
IV 268, V 323, 345

Orchis (Small Purple Fringed) = *Habenaria psycodes* (SMALLER PURPLE FRINGED
ORCHIS) -- IV 273, 285, V 337, VIII 426, IX 498

Orchis (Smaller Round-leaved) = *Habenaria hookeri* (HOOKER'S ORCHIS) -- VIII 377

Orchis (White) = *Habenaria blephariglottis* (WHITE FRINGED ORCHIS) -- V 345, VI
408, XII 238, 257

___ (spike) -- V 343

Orchis (White Fringed) = *Habenaria blephariglottis* (WHITE FRINGED ORCHIS) -- IV
295, (297), V (316), XI 83

Origanum = *Origanum vulgare* (WILD MARJORAM) -- XIII 378

Orobanche = *Orobanche uniflora* (ONE-FLOWERED CANCER-ROOT) -- VII 407, VIII
355, 358

Orobanche uniflora (ONE-FLOWERED CANCER-ROOT) -- IV 97, 102

see also Broom-rape, Broom-rape (One-flowered), Orobanche

Orpine (Garden) = *Sedum telephium* (LIVE-FOREVER)/*Sedum purpureum* (LIVE-
FOREVER)² -- IV 268, 430, V 362

*Oryzopsis canadensis*²²⁰ = *Oryzopsis pungens* (SHORT-AWN MOUNTAIN RICE) -- XII
173

Oryzopsis Grass = *Oryzopsis pungens* (SHORT-AWN MOUNTAIN RICE) -- XIII 280

Oryzopsis pungens (SHORT-AWN MOUNTAIN RICE) -- see *Oryzopsis canadensis*,
Oryzopsis Grass

Osier = *Salix* spp. (WILLOW)/*Cornus* spp. (DOGWOOD)²²² -- i 154, I 165, V 3, 181, VI 172, VII 212, 255, 269, 281, 323, VIII 28, 39, 49, 82, 181, 244, 276, 313, 443, 446, IX 251, X 305, XI 401, 430, XII 28, 32, 55, 68, 84, 138, 176, XIII 24, 170, 204, 208

___ (bark) -- XII 114; ___ (row) -- VIII 208

OSIER (PURPLE) = *Salix purpurea*

Osier (Red) = *Cornus stolonifera* (RED-OSIER DOGWOOD) -- II 124, III 371, 397, IV 97, 173, V (3), VIII 139, XI 294, 297

___ (berry) -- IV 323

Osier (Yellow) = *Salix alba* (WHITE WILLOW) -- VI 86

Osmorhiza brevistylis = *Osmorhiza claytoni* (SWEET CICELY) -- XI 6

Osmorhiza claytoni (SWEET CICELY) -- see *Osmorhiza brevistylis*

Osmunda = *Osmunda* spp. (FLOWERING FERN) -- IV 33, 73, V 397, 478, X 149, 154, XII 357, 370

___ (fern) -- X 86, XIII 281

Osmunda cinnamomea (CINNAMON FERN) -- V 405, VI 235, 306, 316, IX 483, XII 360

see also Cinnamon Fern

Osmunda claytoniana (INTERRUPTED FERN) -- VI 266, IX 483, XII 360

see also Intermediate Fern, Interrupted Fern

Osmunda regalis (ROYAL FERN) -- X 86, 237, 495, XI 197, 207, XII 360, XIII 331, 387

see also Flowering Fern, *Osmunda spectabilis*

Osmunda spectabilis = *Osmunda regalis* (ROYAL FERN) -- V 289, 405, VI 210, 306

Osmunda (Tall) = *Osmunda cinnamomea* (CINNAMON FERN) -- V 405

Ostrich Fern = *Pteretis pensylvanica* (OSTRICH FERN) -- V 405

Ostrya = *Ostrya virginiana* (EASTERN HOP-HORNBEAM) -- IV 49, V 126, 138, 160, VI 243, 255, 258, 299, 485, VII 354, X 100, 510, XI 308

___ (flower) XIII 290

Ostrya virginiana (EASTERN HOP-HORNBEAM) -- see Hop-hornbeam, Iron-wood, Lever-wood, Ostrya, *Ostrya virginica*

Ostrya virginica = *Ostrya virginiana* (EASTERN HOP-HORNBEAM) -- IV 477, V 116

OSWEGO TEA = *Monarda didyma*

Oxalis = *Oxalis* spp. (WOOD-SORREL) -- IV 354, 356, VI 325, VII 407, VIII 374

___ (leafet) -- IV 356

see also Wood-sorrel

Oxalis acetosella = *Oxalis montana* (COMMON WOOD-SORREL) -- IV 302, IX 69, 79, 491, XI 16, 36, 60

Oxalis europaea (YELLOW WOOD-SORREL) - see *Oxalis stricta*, Oxalis (Yellow), Wood-sorrel (Yellow)

Oxalis montana (COMMON WOOD-SORREL) -- see *Oxalis acetosella*

Oxalis stricta (old usage) = *Oxalis europaea* (YELLOW WOOD-SORREL)³⁴⁰ -- II 389, IV 95, VIII 389, IX 370, 385

Oxalis violacea (VIOLET WOOD-SORREL) -- IX 409, X 482

see also Sorrel (Violet), Wood-sorrel (Violet)

Oxalis (Yellow) = *Oxalis europaea* (YELLOW WOOD-SORREL) -- V 432

Oxyria digyna (MOUNTAIN SORREL) -- XI 30, 60

see also Sorrel

Paeony = *Paeonia* spp. (PEONY) -- II 204

Painted-cup = *Castilleja coccinea* (PAINTED CUP) -- V 127, 129, 157, 220, 346, VIII 358

___ (meadow) -- ²²⁴; ___ (pollen) -- VIII 357

Palm = ²²⁵ -- i 18, 178, 282, 409, I 17, 365, II 147, III 177, IV 35

___ (grove) -- X 150; ___ (leaf) -- I 380, III 139; ___ (tree) -- i 118, I 129, 390

Panax quinquefolius (GINSENG) -- IX 71, 80, XI 6

see also Ginseng

Panax trifolius (DWARF GINSENG) -- VIII 387, IX 80

Panic = ²²⁶ -- XII 293, XIII 382

___ (seed) -- XI 182

Panic Grass = ²²⁶ -- XII (224), XIII 311

Panic Grass (Broad-leaved) = *Panicum latifolium* (BROAD-LEAVED PANIC GRASS) -- XI 103

Panic Grass (Glaucous) = *Setaria glauca* (YELLOW FOXTAIL) -- XI 124

Panic Grass (Purple) = *Digitaria sanguinalis* (HAIRY CRAB-GRASS) -- XI 145

Panicum agrostoides (RED-TOP PANIC GRASS) -- XI 146, XII 304

Panicum capillare (OLD WITCH GRASS)²²⁷ -- XI 145, XII 293, XIV 53

Panicum clandestinum (DEER-TONGUE GRASS)²²⁸ -- XI 141, 150, 232, 240

Panicum crus-galli = *Echinochloa* spp. (ECHINOCLOA) -- XI 157, 182, XIII 408

Panicum filiforme = *Digitaria filiformis* (SLENDER CRAB-GRASS) -- XI 149, 156, 181

Panicum glabrum = *Digitaria ischaemum* (SMOOTH CRAB-GRASS) -- XIV 53

Panicum latifolium (BROAD-LEAVED PANIC GRASS)²²⁹ -- X 509, XI 69, XII 201, XIII 377

see also Panic Grass (Broad-leaved)

Panicum oligosanthos (FEW-FLOWERED PANIC GRASS) -- see *Panicum clandestinum*

Panicum sanguinale = *Digitaria sanguinalis* (HAIRY CRAB-GRASS) -- XI 145, 149, 156, 181, XII 293, XIV 53

Panicum spretum (EATON'S PANIC GRASS) -- see *Panicum clandestinum*

Panicum virgatum (SWITCHGRASS) -- XI 150, XII 205, 292, XIII 24

Pansy = *Viola* spp. (VIOLET) (especially *Viola tricolor* (PANSY)) -- i 233, 235, I 178, 180

___ (-like) -- V 188

Parietaria = *Parietaria pensylvanica* (COMMON PELLITORY) -- VI 391, VIII 442

Parietaria pensylvanica (COMMON PELLITORY) -- V 312

see also Parietaria, Pellitory

Parmelia = a lichen

Paronychia canadensis (FORKED CHICKWEED) -- see *Anychia*, *Anychia dichotoma*, *Queria*

Parsnip = *Pastinaca sativa* (WILD PARSNIP) -- III 362, IV 79, 194, V 311, VI 381, VIII 468, XIII 40

___ (seed) -- VIII 468

Parsnip (Water) = *Sium suave* (WATER PARSNIP)²³⁰ -- IV 203, 234, 291, 353

Parsnip (Wild) = *Cicuta maculata* (WATER HEMLOCK, SPOTTED COWBANE) -- II 53

Parthenocissus spp. (CREEPER) -- see *Ampelopsis*

Parthenocissus inserta (THICKET CREEPER) -- see *Ampelopsis quinquefolia*, Creeper (Common), Woodbine

Parthenocissus quinquefolia (VIRGINIA CREEPER)²³¹ -- see *Ampelopsis quinquefolia*, Creeper (Common), Woodbine

Partridgeberry = *Mitchella repens* (PARTRIDGEBERRY) -- II 104, 224, III 89, 128,, V 343, 521

___ (leaf) -- II 100; ___ (scent) -- IV 302

PARTRIDGE PEA = *Cassia fasciculata*

Paspalum = *Paspalum ciliatifolium* (CILIALE-LEAVED PASPALUM) -- XI 114, XIV 58

Paspalum ciliatifolium (CILIALE-LEAVED PASPALUM) -- VI 438, 447, XI 124

see also Paspalum, Saw-grass

Paspalum setaceum = *Paspalum ciliatifolium* (CILIALE-LEAVED PASPALUM) -- XI 124

PASQUE-FLOWER = *Anemone patens*

Pastinaca sativa (WILD PARSNIP) -- IV 194

see also Parsnip

Pea (Beach) = *Lathyrus japonicus* (BEACH PEA) -- VII 433, 440, VIII 389, IX 415

Peach = *Prunus persica* (PEACH) -- V 116, VII 359, 378, VIII 321, 336, X 37, 395, 420, XI 155, 243, XII 133

___ (bloom) -- V 125, 173; ___ (blossom) -- IX 372; ___ (leaf) -- XII 278; ___ (time) -- XI 323; ___ (tree) -- i 333, I 286, II 277, III 466, 485, IV 57, V 112, 150, VI 262, VIII 148, IX 372, X 63, XI 161, 183, XII 120, XIII 314

Peanut (Hog) = *Amphicarpa bracteata* (HOG-PEANUT) -- V 432

Pear = *Pyrus communis* (COMMON PEAR) = i 183, II 55, 365, 366, III 316, V 134, 147, 421, VI 181, 235, 264, 298, VII 52, 351, 379, 476, 504, IX 369, X 420, XI 260, XII 319, 382, XIV 72, 112, 113, 114, 298

___ (tree) -- II 7, 466, IV 65, V 421, VII 197, IX 178, 412, X 158, 489, XI 176, 299, 301, XIV 72

Pear (Josh)²³² = *Amelanchier* spp. (SHADBUSH) -- VII 434, IX 452

PEARLWORT (MATTED) = *Sagina procumbens*

Pearmain (Blue)²³³ = *Pyrus malus* (COMMON APPLE) -- X 155

Pea-vine = *Amphicarpa bracteata* (HOG-PEANUT) -- XI 221

___ (fruit) -- IX 92

Pedicularis = *Pedicularis canadensis* (COMMON LOUSEWORT, WOOD BETONY) -- V 129, 149, VIII 358, IX 371

Pedicularis canadensis (COMMON LOUSEWORT, WOOD BETONY) -- IV 73

see also Lousewort, Pedicularis

Pellitory = *Parietaria pensylvanica* (COMMON PELLITORY) -- XII 223

Pellitory (American) = *Parietaria pensylvanica* (COMMON PELLITORY) -- V 312

Peltandra = *Peltandra virginica* (ARROW ARUM) -- VI 374, VIII 394, XII 323

Peltandra virginica (ARROW ARUM) -- IV 170, 173, 235, V 287, VIII 382

see also *Arum peltandrum*, *Calla virginica*, Peltandra

Pennyroyal = *Hedeoma pulegioides* (AMERICAN PENNYROYAL) -- i 116, I 127, II 12, 61, 104, 123, IV 268, 296, 355, 397, V 24, 350, 355, 357, 358, 369, VI 346, 390, 410, VII 447, VIII 12, 48, 62, 223, 224, 442, 466, IX 25, 167, X 152, XIV 53

___ (tea) -- IX 89

Pennywort (Marsh) = *Hydrocotyle americana* (WATER PENNYWORT) -- IV 311

Penthorum = *Penthorum sedoides* (DITCH STONECROP) -- VI 394, VIII 435

___ (pool) -- XI 251

Penthorum sedoides (DITCH STONECROP) -- IV 243

see also Penthorum, Stone-crop, Stone-crop (Ditch)

PEPPERBUSH (SWEET) = *Clethra alnifolia*

Pepper-grass = *Lepidium virginicum* (WILD PEPPERGRASS) -- IV 200, V 308, VI 348

Pepperidge = *Nyssa sylvatica* (BLACK TUPELO) -- II 350, X 9

Peppermint = *Mentha piperita* (PEPPERMINT) -- V 357, 387, VI 446, IX 33

Persimmon = *Diospyros virginiana* (PERSIMMON) -- i 353, I 306, VII 50, IX 135

Pertusaria = a lichen

Petty Morel = *Aralia racemosa* (SPIKENARD) -- IV 286, V 337

___ (berry) -- XI 155

Phalaris = *Phalaris* spp. (CANARY-GRASS)²³⁴ -- V 262, XI 206, 213, XIII 287

___ (head) -- XIII 383

Phalaris americana = *Phalaris arundinacea* (REED CANARY-GRASS) -- XII 205, XIII 363

Phalaris arundinacea (REED CANARY-GRASS) -- XI 145

see also Canary Grass, Phalaris, *Phalaris americana*, Phalaris Grass

Phalaris Grass = *Phalaris* spp. (CANARY-GRASS)²³⁴ -- XI 294, XIII 373

Phaseolus diversifolius = *Strophostyles helvola* (TRAILING WILD BEAN) -- XI 173

Phaseolus vulgaris (KIDNEY BEAN) -- II 227

Phleum = *Phleum pratense* (COMMON TIMOTHY) -- VI 344

Phleum pratense (COMMON TIMOTHY) -- see Herd's-grass, Phleum

Phragmites = *Phragmites communis* (REED) -- VII 42, XIII 374

Phragmites communis (REED) -- see Arundo, *Arundo phragmites*, Phragmites

Phryma = *Phryma leptostachya* (LOPSEED) -- IX 66

Phryma leptostachya (LOPSEED) -- IX 79

see also *Phryma*

Phyllodoce caerulea (MOUNTAIN HEATH) -- see *Menziesia caerulea*, *Phyllodoce taxifolia*

Phyllodoce taxifolia = *Phyllodoce caerulea* (MOUNTAIN HEATH) -- XI 21, 24, 60

Phytolacca americana (POKEWEED) -- see *Poke*, *Pokeweed*

Phytolacca decandra = *Phytolacca americana* (POKEWEED) -- IV 239

Picea spp. (SPRUCE) -- see *Spruce*

Picea abies (NORWAY SPRUCE) -- see *Abies excelsa*, *Spruce* (Norway)

Picea glauca (WHITE SPRUCE) -- see *Abies alba*, *Spruce* (White)

Picea grandis = *Abies grandis* (GRAND FIR) -- X 185

Picea mariana (BLACK SPRUCE) -- see *Abies nigra*, *Spruce*, *Spruce* (Black), *Spruce* (Double), *Spruce* (Single), *Spruce* (White)

Picea pectinata = *Abies alba* (SILVER FIR) -- X 185

Picea rubens (RED SPRUCE) -- see *Abies nigra*, *Spruce*, *Spruce* (Black), *Spruce* (Double), *Spruce* (Single), *Spruce* (White)

Pickerel-weed = *Pontederia cordata* (PICKERELWEED) -- I 383, II 311, III 28, 379, IV 168, 183, 184, 237, V 223, 337, VI 395, VII 222, VIII 394, 442, 462, X 44, 60, XI 153, XII 267, 324, XIII 357, 425

Pignut = *Carya ovalis* (SWEET PIGNUT HICKORY)/*Carya glabra* (PIGNUT HICKORY)² -- IV 451, 452, V 6, 471, 473, 482, 487, VI 332, 458, VII 46, 366, X 40, 111, 137, 210, XI 279, XII 364, 382, XIV 274, 277

__ (leaf) -- VII 369; __ (-shaped) -- XII 379

Pigweed = *Chenopodium* spp. (GOOSEFOOT)¹⁸ -- II 62, 64, IV 228, 493, VII 117, 178, 183, 438, 445, VIII 81, IX 241, X 289, XI 182, XIII 408, XIV 314

Pilea pumila (CLEARWEED, RICHWEED) -- IV 317

see also Richweed

PILEWORT = *Erechtites hieracifolia*

Pimpernel (False) = *Lindernia dubia* (FALSE PIMPERNEL)/*Lindernia anagallidea* (FALSE PIMPERNEL)² = IV 208

Pimpernel (Scarlet) = *Anagallis arvensis* (SCARLET PIMPERNEL) -- VI 487, VII 434

Pinaceae (PINE FAMILY) -- see *Coniferae*, Pine Family

Pine = *Pinus* spp. (PINE) -- i 5, 18, 22, 56, 61, 71, 178, 199, 200, 201, 204, 205, 210, 216, 223, 237, 308, 309, 310, 322, 341, 354, 355, 375, 376, 381, 382, 388, 393, 407, 409, 410, 445, 458, 496, I 3, 4, 17, 22, 60, 65, 76, 183, 258, 259, 260, 274, 291, 306, 331, 332, 338, 345, 351, 363, 380, 381, 383, 400, 429, 449, 451, 471, II 10, 24, 29, 31, 34, 41, 42, 86, 87, 90, 104, 106, 119, 121, 128, 138, 139, 167, 181, 196, 198, 200, 206, 225, 239, 250, 264, 266, 279, 304, 331, 382, 411, 425, 446, 464, 476, 477, III 23, 33, 35, 42, 57, 68, 72, 79, 87, 88, 98 105, 130, 131, 132, 136, 146, 152, 162, 163, 169, 173, 197, 205, 218, 228, 229, 246, 254, 276, 277, 279, 290, 301, 302, 356, 393, 397, 402, 405, 429, 435, 449, 450, 456, 458, 466, 478, 479, 481, IV 18, 19, 24, 30, 39, 47, 48, 52, 61, 64, 87, 88, 89, 90, 129, 135, 136, 137, 140, 218, 257, 283, 312, 367, 378, 386, 394, 395, 396, 398, 399, 403, 411, 413, 415, 438, 439, 441, 443, 472, 476, V 30, 50, 74, 94, 117, 126, 133, 150, 155, 156, 159, 167, 169, 187, 195, 201, 202, 221, 233, 239, 251, 252, 254, 281, 285, 298, 343, 384, 387, 416, 432, 447, 477, 484, 490, 501, VI 37, 47, 50, 63, 76, 90, 141, 165, 181, 183, 191, 219, 242, 250, 262, 289, 304, 321, 366, 404, VII 21, 23, 24, 37, 38, 58, 64, 93, 98, 105, 111, 123, 127, 128, 129, 133, 146, 180, 187, 188, 193, 203, 217, 228, 232, 250, 280, 304, 335, 358, 363, 364, 378, 394, 395, 414, 448, 479, 499, 508, VIII 21, 23, 39, 46, 47, 48, 54, 58, 61, 128, 129, 163, 217, 269, 288, 293, 321, 335, 344, 350, 363, 365, 384, 393, 436, IX 8, 23, 32, 125, 151, 169, 171, 172, 173, 182, 191, 240, 266, 267, 294, 297, 315, 332, 348, 368, 369, 373, 413, 421, 436, 437, 438, 450, X 33, 41, 50, 51, 52, 55, 57, 59, 60, 61, 80, 101, 106, 112, 117, 119, 123, 138, 161, 185, 186, 192, 200, 218, 226, 239, 278, 280, 305, 307, 315, 333, 345, 424, 437, 438, XI 165, 189, 198, 201, 222, 235, 236, 260, 266, 271, 284, 290, 302, 305, 341, 343, 352, 353, 362, 365, 367, 368, 369, 371, 377, 380, 393, 412, 449, 450, XII 25, 32, 50, 51, 63, 64, 74, 76, 95, 107, 120, 145, 146, 152, 153, 154, 155, 194, 200, 214, 297, 306, 338, 345, 372, XIII 10, 30, 32, 45, 81, 86, 93, 133, 147, 148, 158, 203, 225, 227, 235, 280, 295, 300, 317, 358, 360, 364, 365, 366, 373, 386, 411, 413, 417, XIV 5, 75, 94, 95, 115, 123, 125, 126, 128, 130, 133, 135, 137, 138, 139, 140, 141, 142, 143, 144, 145, 147, 149, 150, 151, 152,

153, 155, 156, 157, 158, 159, 160, 162, 163, 164, 165, 167, 170, 171, 172, 176, 177, 180, 181, 182, 183, 184, 188, 190, 192, 194, 195, 196, 197, 198, 213, 219, 221, 223, 226, 229, 230, 247, 248, 249, 253, 255, 263, 267, 268, 271, 272, 276, 279, 280, 281, 282, 285, 289, 290, 291, 312, 331

__ (almond)²³⁶ -- i 381, I 338, II (128); __ (bough) -- II 28, 90, III 74, 428, IV 405, 441, VIII 358, XI 65, 260, 393, XIII 232, 304, 359; __ (branch) -- XI 390; __ (bud) -- XII 25; __ (chip) -- XII 455; __ (-clad hill) -- XI 189; __ (cone) -- I 380, II 128, III 220, IV 494, VII 143, 238, 489, VIII 137, IX 242, XII 149, XIII 32, 33, 93, XIV 201, 319; __ (copse) -- III 145; __ (-covered island) -- II 9; __ (fall) -- IV 377; __ (-y field) -- XIII 114; __ (foliage) -- X 33; __ (forest) -- VIII 63, XII 333, XIV 137; __ (forest's edge) -- IX 150; __ (grove) -- II 76, III 385, IV 134, V 530, VI 142, VII 510, VIII 273, IX 10, X 41, 112, 482, XIV 136; __ (hill) -- III 383, IX 338, 433, X 329, 330, XII 166; __ (knot) -- XII 127; __ (land) -- VII 440; __ (leaf) -- i 345, 427, I 296, II 89, 106, 269, 455, III 139, 277, 442, IV 61, 187, 197, 209, 384, VIII 366, IX 141, X 9, XI 98, XII 363, XIV 128, 145; __ (log) -- II 138, VIII 36, 348, XIII 169; __ (lot) -- VIII 363, XIV 125, 128, 150; __ (meal) -- I 368; __ (needle) -- i 211, II 129, 269, 283, 313, 411, III 105, 140, 148, IV 99, V 214, 236, 310, 378, 452, VI 51, 63, 260, VII 64, 267, 410, 414, 489, VIII 61, 110, 175, 179, 366, 368, 380, IX 113, 127, 241, 267, X 101, 123, 298, 305, 505, 506, 510, XI 102, 249, 356, XII 181, 301, XIII 34, 303, XIV 212; __ (plain) -- II 313, 408, VII 7, XIV 86; __ (plank) -- VIII 19; __ (plantation) -- IX 428, 450; __ (plug) -- IX 418; __ (plume) -- III 275, VI 63, X 209, 225; __ (pollen) -- V 121, VIII 384, X 504, XIII 358, 360, 364, 366, 386; __ (-y precipice) -- III 132; __ (root) -- i 71, I 77, II 94, III 233, VI 13, VII 303, XIV 199; __ (scale) -- VII 107; __ (seed) -- VI 51, VIII 182, 198, 216, IX 436, XII 334, XIV 127, 147, 152, 195, 197, 333; __ (seed wing) -- XIII 95; __ (shoot) -- XIII 326, 376; __ (-y sierra) -- XI 450; __ (stem) -- II 283; __ (stick) -- V 298; __ (stipule) -- VIII 189, XIV 69; __ (strip) -- XIV 151, 195; __ (stuff) -- V 208; __ (stump) -- i 304, I 253, III 35, IV 443, XII 115, XIV 169, 203, 241; __ (swamp) -- V 132, XII 344; __ (thicket) -- XIV 180; __ (timber) -- VII 518, XII 37, XIV 131; __ (top) -- i 239, I 184, III 275, 311, IV 33, 140, 441, 472, V 129, VII 365, X 41, 218, 305, XIII 321, XIV 123; __ (tree) -- II 63, 195, 225, 479, III 125, 145, 169, 253, 269, 274, 453, VI 105, IX 348, 368, 406, X 101, 239, XII 206, __ (tree-like) -- VIII 11; __ (tree perch) -- IV 327; __ (tree shilling) -- II 58, III 453; __ (tree top) -- IX 389, XIII 21, XIV 116; __ (twig) -- V 310, XIV 132, 141; __ (wood(s)) -- II 108, 287, 313, 316, 353, 375, 388, III 80, 100, 105, 131, 133, 140, 143, 180, 228, 275, 342, 406, 439, 458, IV 81, V 18, 84, 175, 220, 245, 281, 297, VI 138, 288, 479, VII 179, 180, 185, 345, 370, 508, VIII 59, 106, 107, 195, 315, 318, 335, 363, 393, IX 125, 196, 199, 313, 321, 429, 435, X 11, 40, 95, 159, 167, 205, 289, XI 351, 400, 406, XII 64, 145, XIII 86, 147, 316, 318, XIV 94, 122, 127, 130, 131, 135, 139, 140, 141, (143), 144, 149, 153, 157, 167, 179, 180, 181, 183, 184, 188, 198, 200, 218, 220, 223, 255, 266, 291, 312, 323, 331; __ (-wood nymph) -- VII 237; __ (wood-side) -- XII 146; __ (year) -- XIV 115

Pine (Broom) = *Pinus australis* (LONGLEAF PINE) -- II 198

Pine Family = *Pinaceae* (PINE FAMILY) -- V 49

Pine (Georgia Pitch) = *Pinus australis* (LONGLEAF PINE) -- II 198

Pine (Lambert's) = *Pinus lambertiana* (SUGAR PINE) -- X 185

Pine (Long-leaved) = *Pinus australis* (LONGLEAF PINE) -- II 198

Pine (New York) = *Pinus echinata* (SHORTLEAF PINE) -- II 198

Pine (Norway) = *Pinus resinosa* (RED PINE) -- II 167, 206, VI (255), 299, VII 93, IX 500, XIV 334

___ (seed) -- VII 93

Pine (Pitch) = *Pinus australis* (LONGLEAF PINE) -- II 198

Pine (Pitch) = *Pinus rigida* (PITCH PINE) -- i 238, 309, I 183, 258, 363, 368, 400, 424, II 31, 32, 41, 89, 90, 128, 199, 233, 265, 269, 276, 301, 303, 365, 396, 453, III 4, 40, 59, 79, 80, 88, 121, 139, (141), 177, 178, 180, 220, 260, 274, 277, 402, 444, 449, 462, IV 61, 81, 100, 113, 132, 281, 319, 322, 397, 399, 401, 418, 424, 439, 442, 459, 465, 475, 489, V 31, 91, 104, 123, 154, 160, 172, 191, (195), 197, 202, 211, 219, 224, 230, 378, VI 27, 28, 88, 91, 122, 141, 143, 216, 220, 253, 255, (256), 280, 289, 299, 310, 327, 459, VII 93, 118, 119, 120, 121, 123, 147, 149, 180, 183, 227, 250, 331, 361, 362, 371, 379, 397, 410, 418, 425, 429, 455, 499, 526, VIII 47, 51, 179, 200, 273, 288, 315, 316, 329, 365, 366, IX 128, 139, 240, 242, 267, 287, 288, 297, 338, 347, 399, X 26, 33, 57, 91, (95), 105, 106, 135, 161, 164, 181, 185, 205, 225, 231, 281, 287, 444, 483, 509, XI 53, 201, 244, 258, 259, 260, 276, 280, 343, 371, 380, 387, 388, 390, 394, XII 25, 108, 185, 394, 453, XIII 5, 33, 95, 116, 147, 203, 204, 247, 328, 335, 364, 366, 411, 416, XIV 126, 127, 134, 140, 145, 147, 158, 160, 161, 162, 164, 167, 170, 171, 172, 175, 176, 179, 181, 187, 191, 192, 193, 194, 195, 196, 200, 201, 203, 205, 206, 212, 221, 222, 223, 225, 235, 238, 240, 247, 251, 253, 254, 255, 258, 268, 269, 270, 271, 272, 276, 279, 280, 323, 325, 336, 340,

___ (bark) -- XIII 317, XIV 271; ___ (board) -- II 462; ___ (bough) -- II 28, III 397, VII 193; ___ (bud) -- IX 141; ___ (cone) -- III 101, IV 494, V 7, 57, VI 50, 307, 485, VII 66, 115, 185, 194, 208, 228, 447, 489, VIII 23, 33, 96, 128, 141, 142, 294, 335, XI 122, XIII 167, XIV 207; ___ (field) -- II 89; ___ (grove) -- VIII 273, XII 108, XIV 142, 195, 196, 198, 201, 280; ___ (hill) -- V 452, X 317, XIII 164, XIV 161; ___ (hollow) -- XIV 212; ___ (leaf) -- X 128, XI 316; ___ (lot) -- XIV 175, 179, 223; ___

(needle) -- V 307, VII 243, VIII 109, IX 127, X 157; __ (part) -- XIV 195; __ (plain) -
 - II 411, IX 297, XIV 208, 271, 272, 340; __ (plume) -- VII 360, XIII 318, XIV 141;
 __ (pollen) -- VI 349, IX 402, XII 191; __ (promontory) -- XIV 171; __ (root) -- III 49;
 __ (seed) -- VII 93, VIII 159, 196, XIV 162; __ (shoot) -- VII 395, XII 201; __ (stick) -
 - X 116; __ (strip) -- XIV 152; __ (stump) -- VI 52, VIII 359, XIV 156, 164, 167,
 175, 204, 219, 232, 255, 256; __ (timber) -- III 160; __ (top) -- VII 105; __ (tree) --
 III 42, XII 107; __ (twig) -- VII 362, 397, X 64, XI 161, XIV 196, 201, 279; __
 (wood(s)) -- II 89, 237, 269, 313, III 139, 140, 405, 467, IV 88, 101, 241, V 195,
 VI 47, VII 410, VIII 337, 365, IX 433, X 37, 181, 315, 320, 489, XI 6, XIII 73, 75,
 XIV 65, 126, 132, 158, 162, 163, 175, (180), 187, 193, 195, 198, 208, 221, 223,
 265, 276, 279, 280; __ (wood-side) -- VIII 358

Pine (Pumpkin)²³⁷ = *Pinus strobus* (EASTERN WHITE PINE) III 35, 206, IV 441, V
 130, IX 384

Pine (Red) = *Pinus australis* (LONGLEAF PINE) -- II 198

Pine (Red) = *Pinus resinosa* (RED PINE) -- II 206

PINE (RUNNING) = *Lycopodium complanatum*

Pine (Scotch) = *Pinus sylvestris* (SCOTCH PINE) -- X 185

Pine (Short-leaved) = *Pinus echinata* (SHORTLEAF PINE) -- II 198

Pine (Southern) = *Pinus australis* (LONGLEAF PINE) -- II 198, VIII 381

Pine (Spruce) = *Pinus echinata* (SHORTLEAF PINE) -- II 198, 206

Pine (White) = *Pinus strobus* (EASTERN WHITE PINE) -- i 200, 211, 216, 309, I 258,
 II 32, 33, 39, 89, 128, 199, 200, 203, 269, 287, 331, 488, III 6, 31, 40, 80, 92,
 93, 100, 105, 109, 128, 129, 131, 141, 144, 160, 166, 172, 185, 227, 277, 280,
 302, 452, 456, IV 11, 48, 81, 100, 134, 136, 165, 236, 395, 396, 405, 413, 432,
 442, V 6, 18, 74, 103, 120, 126, 138, 160, 169, 172, (195), 197, 232, 233, 236,
 238, 281, 384, 427, 435, 530, VI 14, 40, 49, 51, 54, 134, 141, 151, 166, 256,
 299, 327, 332, 341, 343, 363, 447, 470, VII 64, 93, 118, 120, (127), 144, 147,
 148, 248, 299, 319, 341, 342, 345, 358, 388, 391, 410, 411,, VIII 80, 172, 173,
 (179), 218, 273, 288, 315, 316, 319, 329, 344, 366, IX 99, 139, 271, 370, 373,
 374, 390, 393, 457, 460, 472, 482, 491, 493, X 26, 57, 67, 81, 91, (95), 97, 117,
 123, 170, 196, 206, 225, 277, 279, 280, 307, 398, 424, 437, 438, 463, 464, 479,
 499, 502, 509, XI 37, 38, 39, 62, 164, 165, 195, 198, 206, 210, 215, 238, 239,
 260, 261, 266, 279, 341, 374, 385, 388, XII 27, 63, 119, 127, 128, 146, 152,
 163, 184, 188, 333, 383, 385, 441, 445, 447, XIII 10, 30, 89, 93, 114, 162, 175,

203, 227, 232, 285, 298, 304, 317, 318, 335, 359, 360, 366, XIV 26, 56, 106, 115, 125, 127, 131, 134, 141, 145, 148, 156, 160, 162, 163, 164, 165, 166, 170, 171, 175, 176, 179, 181, 187, 190, 192, 193, 195, 196, 197, 200, 206, 207, 209, 210, 212, 218, 219, 220, 221, 223, 225, 226, 229, 240, 244, 247, 253, 257, 258, 267, 268, 269, 271, 272, 276, 279, 280, 307, 323, 340

___ (bough) -- I 378, III 131, VII 120; ___ (cone) -- II 33, V 385, 409, 478, VI 50, 55, 135, VII 144, 167, 233, 488, 498, IX 105, X 29, 33, 41, 69, XI 262, XII 70, 159, 289, 310, XIII 33, 49, 80, 89, 93, 161, 180, 194, 246, XIV 90, 115; ___ (crescent) -- XIV 160; ___ (flower) -- IV 143; ___ (forest) -- XI 413; ___ (grove) -- V 376, VII 489, X 32, 37, 38, 40, XII 454, XIV 142, 145, 180, 200, 212; ___ (leaf) -- VII 518, X 25, 106, XI 145; ___ (limb) -- VII 391; ___ (log) -- V 260; ___ (lot) -- XIV 130, 179, 223; ___ (mast) -- VII 237; ___ (needle) -- VII 487, VIII 40, 109, X 135, XI 102, 223, XII 352; ___ (plume) -- IX 242; ___ (rider) -- VII 459; ___ (root) -- II 91, V 490, VIII 58; ___ (sapling) -- X 230; ___ (scale) -- XIII 33; ___ (seed) -- VII 94, VIII 7, IX 368, XII 153, 357, XIII 104, XIV 131, (162); ___ (seedling) -- XIV 162; ___ (shoot) -- VI 280, VII 395, XIII 385; ___ (stump) -- III 89, 277, VII 129, 401, VIII 9, IX 472, XIII 206, 216, 400, XIV 163, 169, 170, 194, (198); ___ (timber) -- V 433; ___ (top) -- II 233, VIII 18, X 438, XI 323, 450; ___ (tree) -- V 353, 507; ___ (twig) -- VIII 274, IX 288; ___ (wood(s)) -- II 106, 269, III 140, 450, IV 441, V 48, 112, 180, X 38, 170, 502, XII 152, 182, XIV 125, 158, 161, 162, 179, (180), 195, 198, 200, 207, 229, 240, 247, 267, 268, 271

Pine (Yellow) = *Pinus australis* (LONGLEAF PINE) -- II 198

Pine (Yellow) = *Pinus rigida* (PITCH PINE) -- II 233

Pine (Yellow) = *Pinus echinata* (SHORTLEAF PINE) -- II 198, 206, 377

Pine-sap = *Monotropa hypopithys* (PINESAP) -- V 348, IX 70, 472, X 39, 205, XI 90, 118, 209, XII 308, XIV 93

Pine-sap (American) = *Monotropa hypopithys* (PINESAP) -- V 343

Pine-weed = *Hypericum gentianoides* (PINEWEED) -- II 69

Pink = *Silene caroliniana* (WILD PINK) -- II 233, 313, IV 88, 122, V 212, VI 317

Pink (Common Wild) = *Silene caroliniana* (WILD PINK) -- VIII 359

PINK (DEPTFORD) = *Dianthus armeria*

Pink (Mullein) = *Lychnis coronaria* (MULLEIN PINK) -- V 338, IX 429

Pink (Sweet-William) = *Silene armeria* (SWEET-WILLIAM CATCHFLY) -- V 396, VI 431

Pink (Wild) = *Silene caroliniana* (WILD PINK) -- II 30, IV 69, 75, 120, V 131, 154, 188, VI 305, VII 404, XII 162, 191, XIII 296

Pinus (PINE) -- III 229

see also Pine

Pinus australis (LONGLEAF PINE) -- II 198

see also Pine (Southern)

Pinus echinata (SHORTLEAF PINE) -- see Pine (Yellow), *Pinus mitis*

Pinus lambertiana (SUGAR PINE) -- X 185

Pinus mitis = *Pinus echinata* (SHORTLEAF PINE) -- II 198

Pinus pinaster (CLUSTER PINE) -- X 185

Pinus resinosa (RED PINE) -- IX 393, 394, 399

see also Pine (Norway)

Pinus rigida (PITCH PINE) -- II 199, III 102, IX 394

— (pollen) -- VII 403

see also Pine (Pitch)

Pinus strobus (EASTERN WHITE PINE) -- II 199, X 185

see also Pine (Pumpkin), Pine (White)

Pinus sylvestris (SCOTCH PINE) -- X 185

see also Fir (Scotch)

Pinweed = *Lechea* spp. (PINWEED) -- V 311, VI 157, 301, 427 VIII 55, 60, IX 111, 129, 141, 149, 163, 165, X 91, 444, 498, 505, XI 336, XII 40, 41, 45, 198, XIII 44, XIV 262

___ (-field) -- VI 427

Pinweed (Common) = *Lechea villosa* (HAIRY PINWEED) -- XIV 175

Pinweed (Larger) = *Lechea villosa* (HAIRY PINWEED) -- IV 230, 428, VI 288, 408, IX 159

Pinweed (Thyme-leaved) = *Lechea intermedia* (INTERMEDIATE PINWEED)/*Lechea maritima* (SEA-SIDE PINWEED)² = VI 415

Pinxter-flower = *Rhododendron roseum* (ROSEHELL AZALEA) -- V 203, 207, 219

Pipes = *Equisetum hyemale* (SCOURING RUSH) -- VII 81, 391

Pipes = *Equisetum fluviatile* (WATER HORSETAIL) -- III 76, IV 73, 168, 171, 237, V 318, VI 488, XI 119, 122, 132, XII 205, 211, 226, 231, 232, 258, 270, 278, 287, XIII 267, 276, 309, 344, 345, 404, 405, 410

Pipes (Late) = *Equisetum fluviatile* (WATER HORSETAIL) -- V 144

Pipe-grass = *Equisetum fluviatile* (WATER HORSETAIL) -- VIII 161

Pipe-grass (Tall) = *Equisetum fluviatile* (WATER HORSETAIL) -- IV 75

Piper Grass = *Agropyron repens* (QUACK GRASS)/*Agropyron trachycaulum* (SLENDER WHEAT GRASS)² -- IX 400, XI 145, 370, XII 215, XIII 71, 223, 370, 402

Pipewort = *Eriocaulon septangulare* (SEVEN-ANGLED PIPEWORT) -- VII 479

Pipsissewa = *Chimaphila umbellata* (PIPSISSEWA) -- VI 346, XI 323

Pitcher-plant = *Sarracenia purpurea* (PITCHER PLANT) -- II 90, 493, III 24, 33, 34, 383, V 455, VI 462, 466, 468, X 130, 183, 283, XI 312, XIII 328

___ (leaf) -- IV 413, 459, VI 149, 364, 452, X 280

Plane (Occidental) = *Platanus occidentalis* (AMERICAN SYCAMORE) -- II 377

Plane (Oriental) = *Platanus orientalis* (ORIENTAL PLANE-TREE)/*Platanus acerifolia* (LONDON PLANE-TREE)²³⁸ -- II 363, 377

Plane Tree = *Platanus occidentalis* (AMERICAN SYCAMORE) -- II 232

Plantago spp. (PLANTAIN) -- see Plantain

Plantago juncooides (SEASIDE PLANTAIN) -- see *Plantago maritima*, Plantain (Sea), Plantain (Sea-side)

Plantago lanceolata (ENGLISH PLANTAIN) -- see Plantain (Field), Plantain (Ribwort), Ribwort

Plantago major (COMMON PLANTAIN)²³⁹ -- IV 200

Plantago maritima = *Plantago juncooides* (SEASIDE PLANTAIN)/*Plantago oliganthos* (SEASIDE PLANTAIN)² -- II 349

Plantago oliganthos (SEASIDE PLANTAIN) -- see *Plantago maritima*, Plantain (Sea), Plantain (Sea-side)

Plantago rugelii (RED-STEMMED PLANTAIN) -- see *Plantago major*

Plantain = *Plantago* spp. (PLANTAIN) -- i 131, 416, I 144, II 410, III 201, IV 243, V 419, VI 386

___ (leaf) -- VII 440; ___ (spike) -- VIII 386

Plantain (Field) = *Plantago lanceolata* (ENGLISH PLANTAIN) -- IV 68, 77

Plantain (Greater) = *Plantago major* (COMMON PLANTAIN)/*Plantago rugelii* (RED-STEMMED PLANTAIN)² -- V 311

PLANTAIN (INDIAN) = *Cacalia* spp.

Plantain (Ribwort) = *Plantago lanceolata* (ENGLISH PLANTAIN) -- VI 335

Plantain (Robin's) = *Erigeron pulchellus* (ROBIN'S PLANTAIN) -- IV 82

Plantain (Sea) = *Plantago juncooides* (SEASIDE PLANTAIN)/*Plantago oliganthos* (SEASIDE PLANTAIN)² -- II 349, 466

Plantain (Sea-side) = *Plantago juncooides* (SEASIDE PLANTAIN)/*Plantago oliganthos* (SEASIDE PLANTAIN)² -- VIII 386

PLANTAIN (WATER) = *Alisma* spp.

Platanthera blephariglottis = *Habenaria blephariglottis* (WHITE FRINGED ORCHIS) -- IV 295, XI 84

Platanthera dilatata = *Habenaria dilatata* (WHITE BOG ORCHIS) -- XI 15, 24, 60

Platanthera fimbriata = *Habenaria fimbriata* (LARGER PURPLE FRINGED ORCHIS) -- IV 103, 268, IX 491, 498

Platanthera flava = *Habenaria flava* (TUBERCLED ORCHIS) -- IV 128, V 315, VI 369

Platanthera grandiflora = *Habenaria fimbriata* (LARGER PURPLE FRINGED ORCHIS) -- IV 103

Platanthera hookeri = *Habenaria hookeri* (HOOKER'S ORCHIS) -- VIII 377

Platanthera lacera = *Habenaria lacera* (RAGGED FRINGED ORCHIS) -- IV 229, VI 388

Platanthera obtusata = *Habenaria obtusata* (BLUNT-LEAVED ORCHIS) -- XI 29, 60

Platanthera orbiculata = *Habenaria orbiculata* (ROUND-LEAVED ORCHIS)/*Habenaria macrophylla* (LARGE ROUND-LEAVED ORCHIS)² -- IV 302, IX 79

__ (leaf) -- IX 70

Platanthera psycodes = *Habenaria psycodes* (SMALLER PURPLE FRINGED ORCHIS) -- IV 268, IX 498

Platanus acerifolia (LONDON PLANE-TREE) -- see Plane (Oriental)

Platanus occidentalis (AMERICAN SYCAMORE) -- see Buttonwood, Plane (Occidental), Plane Tree, Sycamore

Platanus orientalis (ORIENTAL PLANE-TREE) -- see Plane (Oriental)

Plum = *Prunus* spp. (PLUM, CHERRY) -- II 360, IV 21, 90, V 121, 130, 368, 373, 407, VII 134, 504, X 37, XI 257, 261, XII 190, XIV 303

__ (path) --XI 93

Plum (Beach) = *Prunus maritima* (BEACH PLUM) -- IV 69, 73, V 170, VI 279, 282, 301, 302, VII 95, 438, IX 379, 405, 446, 471, X 30, 36, 37, 71, XI 242, 270, 301, XII 322, 399, 410, XIII 304, XIV 92

— (pollen) -- VII 384

Plum (Canada) = *Prunus nigra* (CANADA PLUM)/*Prunus americana* (AMERICAN PLUM)² -- IV 44, 50, V 119, 149, VI 255, 299, 323, VII 134, 357, 368, VIII 329, 333, IX 371, 373, X 407, XIII 282, XIV 54

Plum (Canada Red) = *Prunus nigra* (CANADA PLUM)/*Prunus americana* (AMERICAN PLUM)² -- II 105

Plum (Common) = ²⁴⁰ -- VI 255, XIII 282

Plum (Domestic) = *Prunus domestica* (GARDEN PLUM) -- VII 368, 378

Plum (Mealy) = *Arctostaphylos uva-ursi* (COMMON BEARBERRY) -- VII 95

Plum (Yellow) = *Prunus nigra* (CANADA PLUM)/*Prunus americana* (AMERICAN PLUM)² -- VII 134

Poa annua -- (ANNUAL BLUEGRASS) -- XII 182

Poa capillaris = *Eragrostis capillaris* (LACE-GRASS) -- XI 150

Poa compressa (CANADA BLUEGRASS) -- XII 199, XIII 370, 399, 401

Poa dentata = *Glyceria pallida* (PALE MANNA-GRASS) -- XIII 374, 385, 404

Poa hirsuta = *Eragrostis capillaris* (LACE-GRASS) -- VI 431, 446, 473, XI 124, 150

Poa palustris (FOWL-MEADOW GRASS) -- see Fowl-meadow Grass, *Poa serotina*

Poa pratensis (JUNEGRASS, KENTUCKY BLUEGRASS) -- see English Grass, June-grass

Poa serotina = *Poa palustris* (FOWL-MEADOW GRASS) -- XII 226

Podostemon = *Podostemum ceratophyllum* (RIVERWEED) -- XII 255

Podostemum ceratophyllum (RIVERWEED) -- XII 252

see also Podostemon

Pogonia = *Pogonia ophioglossoides* (ROSE POGONIA) -- IV 164, 170, 173, 189, 199, 217, 258, 273, V 246, 263, 288, 295, 299, VI 364, 396

Pogonia ophioglossoides (ROSE POGONIA) -- IV 200, IX 466, 472

see also *Arethusa* (Adder's-tongue), *Arethusa* (Snake-head), *Arethusa* (Snake-mouthed), *Pogonia*

Pogonia verticillata = *Isotria verticillata* (WHORLED POGONIA) -- IV 360

POGONIA (WHORLED) = *Isotria verticillata*

Poke = *Phytolacca americana* (POKEWEED) -- i 433, II 286, 489, 502, III 289, IV 239, V 310, 393, 417, VI 379, VIII 465, X 65, 88, 108, XI 227, XII 313, 351, 382, XIII 158

___ (berry) -- III 14, IV 330, V 382, 473, VI 435, IX 31, 91, X 65, XII 309, 313, 380; ___ (flower) -- IX 111; ___ (stem) -- V 393, VI 435, XI 96

Pokeweed = *Phytolacca americana* (POKEWEED) -- i 360, I 315, III 61, IX 25, 88, 126;

___ (stem) -- XI 126

Polygala = *Polygala* spp. (MILKWORT) -- IV 303, 309, 348, 356, 385, V 336, VII 306, 450, IX 6

___ (root) -- VIII 466

Polygala (Caducous) = *Polygala sanguinea* (PURPLE MILKWORT) -- II 395, 503, 504, IV 232, 245, (303), 378, 400, V (366)

Polygala (Cross-leaved) = *Polygala cruciata* (CROSS-LEAVED MILKWORT) -- II 427, 503, IV (303)

Polygala cruciata (CROSS-LEAVED MILKWORT) -- II 427, IV 225, VI 388

see also *Polygala* (Cross-leaved)

Polygala (Fringed) = *Polygala paucifolia* (FRINGED POLYGALA) -- II 201, IV 72, 74, V 159, 164, VII 383, VIII 356, 358, IX 377, X 411

Polygala paucifolia (FRINGED POLYGALA) -- IV 72, VII 305, XIII 299

see also *Polygala* (Fringed), *Polygala* (White Fringed)

Polygala polygama (RACEMED MILKWORT) -- VII 433

Polygala sanguinea (PURPLE MILKWORT) -- II 395, 415, IV 225, V 311, VI 385, 397, VII 9, VIII 410, 435, IX 59, 113, XI 165, 300, XII 305, 320

see also *Polygala* (Caducous)

Polygala verticillata (WHORLED MILKWORT) -- IV 303, 348, VI 397, VIII 466, IX 76, 80, XII 190

see also *Polygala* (Whorled)

Polygala (White Fringed) = *Polygala paucifolia* forma *alba* (FRINGED POLYGALA) -- V 187

Polygala (Whorled) = *Polygala verticillata* (WHORLED MILKWORT) -- V 366, IX 9

Polygonatum = *Polygonatum pubescens* (HAIRY SOLOMON'S-SEAL) -- VII 406, XII 304

— (berry) -- V 387, 403

*Polygonatum biflorum*²⁴¹ = *Polygonatum pubescens* (HAIRY SOLOMON'S-SEAL) -- XII 310

Polygonatum canaliculatum (GREAT SOLOMON'S-SEAL)²⁴² -- IV 310, VII 406

Polygonatum pubescens (HAIRY SOLOMON'S-SEAL) -- IV 71, V 163, 224, VI 264, VII 366, 374, 406, VIII 351, 352, 361, IX 386, X 415, 433

— (berry) -- IV 310, IX 29

see also *Convallaria multiflora*, *Polygonatum*, *Polygonatum biflorum*, Solomon's-seal (Axil-flowering)

Polygonella articulata (SAND JOINTWEED) -- see *Polygonum articulatum*, *Polygonum* (Jointed)

Polygonum = *Polygonum* spp. (KNOTWEED, SMARTWEED)/*Polygonella articulata* (SAND JOINTWEED)/ *Tovara virginiana* (VIRGINIA KNOTWEED)¹³⁶ -- II 64, 388, 440, III 55, 76, IV 106, 237, 319, 326, 357, 389, V 152, 162, 223, 262, 381, 388, 390, 402, 419, VI 285, 359, 395, 421, 473, 488, VII 39, 64, 256, VIII 210, IX 63, 86, 494, X 60, XI 74, 166, XII 227, 305, XIII 408, XIV 4

___ (leaf) -- IV 111, VII 387, VIII 159; ___ (stem) -- V 486

Polygonum amphibium (WATER SMARTWEED)²⁴³ -- II 425, IV 247, 322, 360, V 314, 380, 390, 403, 417, VI 459, VII 14, 458, VIII 13, 445, IX 84, 128, X 21, XI 113, 165, 214, XII 320

___ (spike) -- XI 182

Polygonum arifolium (HALBERD-LEAVED TEARTHUMB) -- IV 307, VI 359, 415, 455, X 18

see also Tear-thumb (Hastate)

Polygonum articulatum = *Polygonella articulata* (SAND JOINTWEED) -- II 456, IV 363, 393, V 387, 408, 423, VII 10, VIII 358

Polygonum aviculare (DOORWEED) -- II 504, IV 225, 406, V 410, VI 385, XI 171, XII 293, XIV 184

see also Door-grass, Goose-grass

Polygonum careyi (CAREY'S KNOTWEED) -- IV 317, V 353, VI 405, IX 83, XII 304, 305, 313

Polygonum cilinode (FRINGED BINDWEED) -- IV 345, V 432, VIII 380, IX 86, XI 7, XIV 26

Polygonum coccineum (SWAMP SMARTWEED) -- see *Polygonum amphibium*

Polygonum convolvulus (BLACK BINDWEED) -- IV 172, VI 375

Polygonum cristatum (WINGED BINDWEED) -- see *Polygonum dumetorum*

Polygonum dumetorum = *Polygonum scandens* (CLIMBING FALSE BUCKWHEAT)/*Polygonum cristatum* (WINGED BINDWEED)²⁴⁴ -- IV 334, 362, V 403, 417, 439, VI 449, VIII 462, X 25, XI 116, XII 305

Polygonum (Front-rank) = *Polygonum hydropiperoides* (MILD WATER PEPPER)²⁴⁵ -- IV (170), (236), (326), (389), V (318), 325, (381), (452), VI 377, (421), VII 458, IX 115, XI 105, 113, 132, 166, 182, (214), XII 218, 230, 292, 305, XIII 383, 423, XIV 61

Polygonum hydropiper (COMMON SMARTWEED) = V 316, 406, 495, VI 393

Polygonum hydropiperoides (MILD WATER PEPPER) -- IV 216, 247, 326, 378, 389, 400, V 338, 381, 403, 452, 486, VI 307, 411, 421, 471, 488, VII 458, VIII 443, XI 113, 166, 182, 214, XII 292, 320

see also *Polygonum* (Front-rank), *Polygonum* (Narrow-leaved), *Polygonum* (Small), *Polygonum* (Smaller-leaved), *Polygonum* (Smaller Rose-colored)

Polygonum (Jointed) = *Polygonella articulata* (SAND JOINTWEED) -- III 57

Polygonum (Large Spotted) = ²⁴⁶ -- IV 282

Polygonum (Large White) = ²⁴⁶ -- II 425

Polygonum (Narrow-leaved) = *Polygonum hydropiperoides* (MILD WATER PEPPER) -- IV 236, V 318, (403)

Polygonum orientale (PRINCE'S FEATHER) -- IV 351, V 377, VIII 445, IX 115

see also Prince's-feather

Polygonum pensylvanicum (PINKWEED) -- IX 63, 86, X 15, 24

Polygonum persicaria (LADY'S THUMB) -- II 61, 335, IV 176, V 309, 410, VI 378, IX 63, 86, XI 238, XII 305

see also *Polygonum* (Spotted)

Polygonum (Running) = *Polygonum cilinode* (FRINGED BINDWEED) -- IV 345

Polygonum robustius (STOUT SMARTWEED) -- see *Polygonum* (Large Spotted), *Polygonum* (Large White)

Polygonum sagittatum (ARROW-LEAVED TEARTHUMB) -- II 422, IV 170, V 311, VI 359, 378, VIII 413, XII 305

see also *Polygonum* (Small Scratch-grass)

Polygonum scandens (CLIMBING FALSE BUCKWHEAT) -- see *Polygonum dumetorum*

Polygonum (Small) = *Polygonum hydropiperoides* (MILD WATER PEPPER) -- VII 41

Polygonum (Smaller-leaved)(bed) = *Polygonum hydropiperoides* (MILD WATER PEPPER)
-- IV 170

Polygonum (Smaller Rose-colored) = *Polygonum hydropiperoides* (MILD WATER PEPPER)
-- IV 326

Polygonum (Small Scratch-grass) = *Polygonum sagittatum* (ARROW-LEAVED
TEARTHUMB) -- IV 378

Polygonum (Spotted) = *Polygonum persicaria* (LADY'S THUMB) -- II 61, 335, IV 385

Polygonum tenue (SLENDER KNOTWEED) -- IV 334, VIII 442, IX 17, X 19, XI 147

Polygonum virginianum = *Tovara virginiana* (VIRGINIA KNOTWEED) -- IX 66, 79, 86

Polygonum viviparum (ALPINE BISTORT) -- XI 35, 60

Poly (Grass) = *Decodon verticillatus* (SWAMP LOOSESTRIFE) -- II 502

Polypodium dryopteris = *Dryopteris disjuncta* (OAK FERN) -- IX 69, 79, XIII 292

Polypodium virginianum (COMMON POLYPODY) -- see *Polypodium vulgare*, Polypody,
Polypody (Common)

Polypodium vulgare = *Polypodium virginianum* (COMMON POLYPODY) -- V 405, IX
483, X 462, 464

Polypody = *Polypodium virginianum* (COMMON POLYPODY) -- V 508, VI 189, VII
521, VIII 60, X 25, 123, 153, 154, 155, 164, XI 329, XII 57, 353, 359, XIII 262,
XIV 210, 249

— (rock) -- IX 299

Polypody (Common) = *Polypodium virginianum* (COMMON POLYPODY) -- V 409, VI
347, XI 332, XIV 27

Polypody (Ternate) = *Dryopteris disjuncta* (OAK FERN) -- XI 6

Polystichum acrostichoides (CHRISTMAS FERN) -- V 343, 405, IX 69

see also *Aspidium achrostichoides*, Shield Fern (Terminal)

Polystichum aculeatum = *Polystichum braunii* (BRAUN'S HOLLY FERN) -- XI 31, 60

Polystichum braunii (BRAUN'S HOLLY FERN) -- see *Polystichum aculeatum*

Pomaceae = ²⁴⁷ -- II 211

Pond-lily = *Nymphaea odorata* (SWEET-SCENTED WATER LILY) -- IV 147, 148

Pond-lily (White) = *Nymphaea odorata* (SWEET-SCENTED WATER LILY) -- IX 432

Pondweed = *Potamogeton* spp. (PONDWEED) ²⁴⁸ -- IV 149, 169, V 124

Pondweed (Floating) = *Potamogeton natans* (FLOATING PONDWEED) -- IV 107

Pontederia = *Pontederia cordata* (PICKERELWEED) -- III 32, 53, 54, 66, 76, IV 168, 169, 171, 203, 208, 229, 233, 235, 237, 238, 239, 326, 354, 378, V 152, 162, 301, 315, 318, 380, 402, 421, 486, 496, 511, VI 285, 307, 378, 382, 390, 397, 399, 421, 464, 465, 470, 473, 485, VII 5, 13, 26, 39, 50, 57, 71, 255, 256, 387, 458, 501, 507, VIII 4, 302, 303, IX 85, X 60, 376, 407, XI 11, 68, 69, 71, 113, 114, 117, 119, 203, 213, 251, 294, XII 73, 141, 185, 225, 230, 231, 243, 248, 270, 278, 305, 318, 355, 389, 394, XIII 54, 316, 347, 401, 405, 408, 424, XIV 55, 73, 146

__ (blossom) -- V 403, VII 26; __ (flower) -- V 318; __ (leaf) -- IV 106, 354, V 286, 323, 380, 489, VI 351, 421, 446, XI 163, XII 134, 293, 312, XIII 398, 409; __ (leaflet) -- XII 227; __ (leaf-stem) -- III 52, XIII 54; __ (root) -- VII 70, 507, XII 136; __ (seed) -- XII 374, 382, XIV 88, 115; __ (-'d shore) -- XII 234; __ (spike) -- VII 40, XI 163, XII 323; __ (stem) -- III 52, V 489, 491, X 396, 419, XII 58

Pontederia cordata (PICKERELWEED) -- IV 163

see also Pickerel-weed, *Pontederia*

Poplar = *Populus* spp. (POPLAR, ASPEN) -- i 42, 216, 256, I 43, 203, II 197, III 35, 329, 477, IV 237, 310, 386, 456, V 7, 15, 50, 53, 61, 85, 86, 130, 440, 443, VI 88, 178, 195, 196, VII 269, VIII 174, 181, 372, IX 289, X 23, XI 115, 262, 278, 347, XII 114, 181, XIII 293, 296, 333, 334, XIV 160, 175, 263, 329

___ (bough) -- VI 181; ___ (bud) -- III 319, XIII 334; ___ (catkin) -- V 12, VI 171, 189; ___ (hill) -- VII 310; ___ (hollow) -- XI 343; ___ (river) -- III 329; ___ (tree) -- i 43, 44, I 44, 46, III 28; ___ (twig) -- VI 105

Poplar (Aspen) = *Populus tremuloides* (QUAKING ASPEN)/*Populus grandidentata* (BIGTOOTH ASPEN)¹⁴³ -- III 80

Poplar (Balm-of-Gilead) = *Populus x gileadensis* (BALM-OF-GILEAD)²⁴⁹ -- VIII 322

Poplar (Balsam) = *Populus balsamifera* (BALSAM POPLAR) -- II 197

Poplar (Great) = *Populus grandidentata* (BIGTOOTH ASPEN) -- VI 259, 281

Poplar (Great-leaved) = *Populus grandidentata* (BIGTOOTH ASPEN) -- V 160

Poplar (Heart-leaved Balsam) = *Populus x gileadensis* (BALM-OF-GILEAD) -- II 197

Poplar (Italian) = *Populus nigra* var. *italica* (LOMBARDY POPLAR) -- XI 264, 301

Poplar (Large) = *Populus grandidentata* (BIGTOOTH ASPEN) -- X 100

Poplar (Lombardy) = *Populus nigra* var. *italica* (LOMBARDY POPLAR) -- II 197, V 450, VII 378, XI 210, 234, 261, 268, 276,

Poplar (River) = *Populus deltoides* (EASTERN COTTONWOOD) -- III 329

Poplar (Silvery White) = *Populus alba* (WHITE POPLAR) -- VII (378)

Populus = *Populus* spp. (POPLAR, ASPEN) -- X 477

see also Aspen, Poplar

Populus alba (WHITE POPLAR) -- see Abele, Abele (Silvery), Poplar (Silvery White)

Populus balsamifera (BALSAM POPLAR) -- II 197, IV 49, V 116

Populus candicans = *Populus x gileadensis* (BALM-OF-GILEAD) -- II 197

Populus deltoides (EASTERN COTTONWOOD) -- see Poplar (River), *Populus monilifera*

Populus x gileadensis (BALM-OF-GILEAD) -- see Balm-of-Gilead, Gilead, Poplar (Balm-of-Gilead), *Populus candicans*

Populus grandidentata (BIGTOOTH ASPEN) -- II 197, III 18, 36, 345, 348, 481, IV 19, 47, 49, 62, 309, 329, V 89, 103, 116, 126, 129, 138, 156, 280, 440, 447, 516, VI 205, 209, 219, 230, 263, 264, 284, 300, 305, 454, VII 236, 325, X 100, 276, 379, 428, XI 14, 233, 244, 249, 259, 261, 276, 278, XII 154, 380, XIII 304, 336

___ (leaf) -- XI 258, 288, XII 365, 368

see also Poplar (Aspen), Poplar (Great), Poplar (Great-leaved)

Populus monilifera = *Populus deltoides* (EASTERN COTTONWOOD) -- IX 71, 415

Populus nigra var. *italica* (LOMBARDY POPLAR) -- see Aspen (Black), Poplar (Italian), Poplar (Lombardy)

Populus tremuliformis = *Populus tremuloides* (QUAKING ASPEN) -- V 97, 103, 105, 138, 156, VII 64, X 463, 464, XI 10, 14, 246, 258, 261, 268, 301, 308, 318, XIII 296, 333, XIV 26

___ (catkin) -- V 89; ___ (leaf) -- XI 342

Populus tremuloides (QUAKING ASPEN) -- II 197, III 348, 362, 475, IV 40, 418, 419, V 5, 61, 447, VI 186, 189, 195, 229, VII 306, XI 244, 262, 276, 278

see also Poplar (Aspen), *Populus tremuliformis*, Tremble, Tremble (Early)

Poppy = *Papaver somniferum* (COMMON POPPY) -- I 457

Porcupine Grass = *Stipa spartea* (PORCUPINE GRASS) -- XIV 343

Portulaca = *Portulaca oleracea* (COMMON PURSLANE) -- VIII 467, IX 482

Portulaca oleracea (COMMON PURSLANE) -- II 423, IV 210

see also Portulaca, Purslane, Pursley

Potamogeton = *Potamogeton* spp. (PONDWEED) -- IV 174, 179, 210, 222, 268, 309, 321, V 152, 223, 226, 262, 284, 299, 301, 307, 310, 311, 486, VI 285, 307, 335, 344, 345, 361, 391, 406, 447, 449, 461, VII 13, 456, VIII 424, 429, 434, 462, X 19, 350, 487, 488, XI 46, 71, 75, 77, 105, 122, 123, 132, 149, 160, XII 141, 221, 225, 229, 230, 240, 261, 264, 270, 273, 280, 285, 303, XIII 268, 315, 347, 348, 357

___ (flower) -- IV 169; ___ (leaf) -- IV 170, 171, V 489, VI 423, X 267; ___ (-like) -- V 78; ___ (river) -- V 301, VIII 462; ___ (seed) -- V 478

see also Pondweed

Potamogeton amplifolius (LARGE-LEAVED PONDWEED) -- see *Potamogeton* (Broad-leaved)

Potamogeton (Broad-leaved) = ²⁵⁰ -- VI 345

Potamogeton capillaceus (HAIR-LIKE PONDWEED) -- see *Potamogeton hybridus*

Potamogeton claytoni = ²⁵¹ -- VI 447, XI 123

Potamogeton compressus = *Potamogeton zosteriformis* (EEL-GRASS PONDWEED) -- V 315

Potamogeton epihydrus (SURFACE PONDWEED) -- see *Potamogeton claytoni*,
Potamogeton heterophyllus

Potamogeton gramineus (GRASS-LEAVED PONDWEED) -- see *Potamogeton claytoni*,
Potamogeton heterophyllus

Potamogeton heterophyllus = ²⁵¹ -- IV 222, V 311, 317, VIII 424, 429, XI 123

Potamogeton hybridus = *Potamogeton spirillus* (SPIRAL PONDWEED)/*Potamogeton capillaceus* (HAIR-LIKE PONDWEED)² -- IV 151, 222, 268, V 311, 325, VIII 424, 429, XI 160

Potamogeton natans (FLOATING PONDWEED)²⁵² -- IV 107, 149, 169, 179, V 300, VIII 429

see also *Potamogeton* (Broad-leaved)

Potamogeton oakesianus (OAKES' PONDWEED) -- see *Potamogeton natans*

Potamogeton pulcher (SPOTTED PONDWEED) -- IV 179, V 300

Potamogeton robbinsii (ROBBIN'S PONDWEED) -- III 52, V 307, XII 280

Potamogeton spirillus (SPIRAL POTAMOGETON) -- see *Potamogeton hybridus*

Potamogeton zosteriformis (EEL-GRASS POTAMOGETON) -- see *Potamogeton compressus*

Potato (Wild) = *Solanum tuberosum* var. *guaytecaram* (POTATO)²⁵³ -- II 261

Potato (Wild) = *Apios americana* (GROUNDNUT) -- IV 491

Potentilla = *Potentilla* spp. (CINQUEFOIL) -- IV 81, V 335, VI 279, VII 356, 405, XI 18, XII 163

*Potentilla anserina*²⁵⁴ = *Potentilla egedei* var. *groenlandica* (ARGENTINE) -- IX 427, 429

Potentilla argentea (SILVERY CINQUEFOIL) -- II 270, IV 80, 257, 411, 415, VI 283, VIII 356

see also Cinquefoil (Hoary), Cinquefoil (Silvery), Potentilla (Silvery)

Potentilla arguta (TALL CINQUEFOIL) -- V 263, VIII 402, IX 468

Potentilla (Ascendant) = *Potentilla simplex* (COMMON CINQUEFOIL) -- XII 191

Potentilla canadensis (DWARF CINQUEFOIL)²⁵⁵ -- IV 11, 49, 257, 349, 367, V 116, 477, VI 269, 297

see also Cinquefoil (Early), Cinquefoil (Running), Five-finger, Potentilla (Early)

Potentilla (Early) = *Potentilla canadensis* (DWARF CINQUEFOIL) -- VI 453, IX 402, X 377, 487, XIII 244, 271, 378

Potentilla egedei var. *groenlandica* (ARGENTINE) -- see *Potentilla anserina*

Potentilla (Erect) = *Potentilla simplex* (COMMON CINQUEFOIL) -- X 510

Potentilla (Mountain) = *Potentilla tridentata* (THREE-TOOTHED CINQUEFOIL) -- XIV 14

Potentilla norvegica (ROUGH CINQUEFOIL) -- II 430, V 263, 335, 477, VI 358, 359, 382, VII 384, 411, IX 30, X 502, XIII 69

see also Cinquefoil (Norway), Potentilla (Norway)

Potentilla (Norway) = *Potentilla norvegica* (ROUGH CINQUEFOIL) -- IV 122

Potentilla palustris (MARSH CINQUEFOIL) -- see Cinquefoil (Marsh), *Comara palustris*, *Comarum palustre*

Potentilla recta (ROUGH-FRUITED CINQUEFOIL) -- XIII 428

Potentilla sarmentosa = *Potentilla canadensis* (DWARF CINQUEFOIL) -- II 270, III 66

Potentilla (Silvery) = *Potentilla argentea* (SILVERY CINQUEFOIL) -- V 477, VII 399

Potentilla simplex (COMMON CINQUEFOIL) -- II 270, IV 81

__ (leaf) -- VII 376

see also Cinquefoil (Common), *Potentilla* (Ascendant), *Potentilla* (Erect)

Potentilla tridentata (THREE-TOOTHED CINQUEFOIL) -- IV 347, X 457, 463, 476, XI 10, 18, 61, XIV 25, 28

see also *Potentilla* (Mountain)

Poverty Grass = *Aristida dichotoma* (POVERTY GRASS) -- XI 125, 151

Poverty Grass = *Hudsonia* spp. (HUDSONIA) -- VII 95, IX 435, 443, 444, 450, X 510

Prenanthes = *Prenanthes* spp. (RATTLESNAKE-ROOT) -- II 410, IV 356, 382, V 304, 343

__ (leaf) -- X 25, XIII 280

see also *Nabalus*

*Prenanthes alba*³⁴⁴ (WHITE LETTUCE) -- II 396, 467, XII 257

see also Lettuce (White), *Nabalus alba*, *Prenanthes* (White-flowering)

Prenanthes altissima (TALL WHITE LETTUCE) -- see *Nabalus altissimus*

Prenanthes boottii (BOOTT'S RATTLESNAKE ROOT) -- see *Nabalus boottii*

Prenanthes serpentaria (LION'S-FOOT) -- see *Nabalus fraseri*

Prenanthes trifoliolata (TALL RATTLESNAKE ROOT) -- see ³⁴⁴

Prenanthes (White-flowering) = *Prenanthes alba* (WHITE LETTUCE) -- II 396

Primrose = *Oenothera* spp. (EVENING PRIMROSE) -- i 253, 287, I 200, 237, II 60, V 419, 432, VI 90, 489, VIII 465, XII 304, XIII 68

___ (head) -- III 63

Primrose (Dwarf) = *Oenothera perennis* (SMALL SUNDROPS)²⁵⁶ -- III 65, IV 195

Primrose (Early) = *Oenothera perennis* (SMALL SUNDROPS) -- VII 411

Primrose (Evening) = *Oenothera biennis* (COMMON EVENING PRIMROSE)/ *Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE)¹⁴³ -- IV 159, IX 240

Primrose (Great) = *Oenothera biennis* (COMMON EVENING PRIMROSE)/ *Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE)¹⁴³ -- V 476

Primrose (Large) = *Oenothera biennis* (COMMON EVENING PRIMROSE)/ *Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE)¹⁴³ -- V 509, VI 430, XII 80

___ (leaf) -- VI 408

Primrose (Large Evening) = *Oenothera biennis* (COMMON EVENING PRIMROSE)/ *Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE)¹⁴³ -- VIII 400

Primrose (Small) = *Oenothera perennis* (SMALL SUNDROPS) -- V 226, VIII 380

Prince's-feather = *Polygonum orientale* (PRINCE'S FEATHER) -- IV 351, 360, VI 449

Prinos = *Ilex* spp. (WINTERBERRY)²⁵⁷ -- II 278, 281, III 33, IV 431, 449, V 160, 175, 390, 449, 481 VI 127, IX 92, X 196, XII 382, 383, XIII 158

___ (berry) -- II 502, III 44, 147, IV 340, 355, 406, V 473, VI 104, 156, 458, VII 35, 52, IX 87, 97, X 115, 171, 189, 238, XI 342, XII 318, 352, 381; ___ (bush) -- IV 437, VI 127, X 256; ___ (-like) -- IV 123; ___ (seed) -- X 179, XIV 232; ___ (swamp) -- V 436

Prinos (Common) = *Ilex verticillata* (COMMON WINTERBERRY)

___ (berry) -- X 153

Prinos (Evergreen) = *Ilex glabra* (INKBERRY) -- VII 90

Prinos laevigatus = *Ilex laevigata* (SMOOTH WINTERBERRY) -- IV 121, 258, V 229, 255, VI 350, VIII 385, X 24

___ (berry) -- V 396; ___ (tip) -- X 450

Prinos (Single-berry) = *Ilex laevigata* (SMOOTH WINTERBERRY) -- VI 284, 301

Prinos verticillatus = *Ilex verticillata* (COMMON WINTERBERRY) -- IV 141, V 290, VI 301, 374, VII 379, X 82, 282

___ (berry) -- X 189, XI 145

Privet = *Ligustrum* spp. (PRIVET)²⁵⁸ -- III 4, IV 170, VI 221, VII 340, IX 135, XI 159, 261, 262, 301, 329, XII 374, 380

___ (berry) -- XII 382

Proserpinaca = *Proserpinaca palustris* (COMMON MERMAID WEED) -- V 308, VI 383, 452, 466, 469, 473, 477, VII 369, X 18, 372, 383

___ (leaf) -- X 18

Proserpinaca palustris (COMMON MERMAID WEED) -- II 432, IV 265

see also *Proserpinaca*

Proserpinaca pectinacea (CUT-LEAVED MERMAID WEED)²⁵⁹ -- VIII 387

Proserpinaca (Spear-leaved) = *Proserpinaca palustris* (COMMON MERMAID WEED) -- II 432

Prunella = *Prunella vulgaris* (HEAL-ALL) II 65, 266, 273, 310, 415, 458, IV 121, 141, 173, 229, 232, 258, V 236, 379, VI 342

___ (leaf) -- II 446

Prunella vulgaris (HEAL-ALL) -- see *Prunella*, Self-heal

Prunus = *Prunus* spp. (CHERRY, PLUM) -- VIII 356, IX 498

see also *Cherry*, *Plum*

Prunus americana (AMERICAN PLUM)²⁶⁰ -- VI 255

see also Plum (Canada), Plum (Canada Red)

Prunus avium (SWEET CHERRY) -- see Cherry (Black Eagle), Cherry (English)

Prunus borealis = *Prunus pensylvanica* (PIN CHERRY) -- VIII 118

Prunus depressa (DWARF CHERRY)²⁶¹ -- II 12, IV 100, IX 75, 499

Prunus domestica (GARDEN PLUM) -- see Plum (Common), Plum (Domestic)

Prunus maritima (BEACH PLUM) -- IV 73

see also Plum (Beach)

Prunus nigra (CANADA PLUM) -- see Plum (Canada), Plum (Canada Red), *Prunus americana*

Prunus obovata = *Prunus virginiana* (CHOKE CHERRY) -- VI 100

Prunus pensylvanica (PIN CHERRY) -- see *Cerasus pennsylvanica*, Cherry (Northern Red), Cherry (Northern Wild), Cherry (Red), Cherry (Wild Red), *Prunus borealis*

Prunus persica (PEACH) -- see Peach

Prunus pumila = *Prunus susquehanae* (SAND CHERRY) -- IX 499

Prunus serotina (BLACK CHERRY) -- see *Cerasus serotina*, Cherry (Black), Cherry (Common Rum), Cherry (Rum), Cherry (Wild Black), Cherry (Wild Rum)

Prunus susquehanae (SAND CHERRY) -- see *Cerasus pumila*, Cherry (Dwarf), Cherry (Sand), *Prunus depressa*, *Prunus pumila*

Prunus virginiana (CHOKE CHERRY)⁸¹ -- IV 100

see also *Cerasus virginiana*, Cherry (Choke-)

Pseudotsuga menziesii (DOUGLAS FIR) -- see *Abies douglasii*

Pteritis pensylvanica (OSTRICH FERN) -- see *Struthiopteris germanica*

Pteridium aquilinum (BRACKEN) -- see Brake, Brake (Common), *Pteris aquilina*

Pteris aquilina = *Pteridium aquilinum* (BRACKEN) -- V 405

Pulsatilla patens = *Anemone patens* (PASQUE-FLOWER) -- VIII 341, IX 80

Purple Grass = *Glyceria* spp. (FLOAT-GRASS) -- VII 338

Purple Grass = *Eragrostis pectinacea* (INDIA LOVE-GRASS)/*Eragrostis spectabilis* (PURPLE LOVE-GRASS)¹⁴³ -- XI 181, 253, XII 288, XIV 54

Purple Grass (Early) = *Agrostis scabra* (FLY-AWAY GRASS) -- XIII 397

Purple Grass (Early) = *Glyceria borealis* (NORTHERN FLOAT-GRASS)/*Glyceria septentrionalis* (FLOATING MANNA-GRASS)¹⁴³ -- VIII 321

Purple Grass (Fine) = *Eragrostis capillaris* (LACE LOVE-GRASS) -- XI 145

Purslane = *Portulaca oleracea* (COMMON PURSLANE) -- II 423, IV 210, V 315, VI 348

PURSLANE (MILK) = *Euphorbia supina*

Purslane (Water) = *Ludwigia palustris* (WATER PURSLANE) -- IV 207, V 449, X 310, 372, XII 100, XIII 165

Pursley = *Portulaca oleracea* (COMMON PURSLANE) -- VIII 420

PUSSYTOES = *Antennaria* spp.

Pycnanthemum = *Pycnanthemum* spp. (MOUNTAIN MINT) -- VIII 459, XII 305

see also Calamint, Mint, Mint (Mountain)

Pycnanthemum incanum (HOARY MOUNTAIN MINT) -- II 461, V 322, VI 400, VIII 436, 459

see also Basil (Wild), Calamint (Soft-leaved)

Pycnanthemum lanceolatum = *Pycnanthemum virginianum* (VIRGINIA MOUNTAIN MINT)/ *Pycnanthemum tenuifolium* (NARROW-LEAVED MOUNTAIN MINT)² -- IV 279, V 321, 343, VI 388

Pycnanthemum muticum (SHORT-TOOTHED MOUNTAIN MINT) -- IV 247, V 333, 343, VI 383, 395, VIII 408, 411

Pycnanthemum tenuifolium (NARROW-LEAVED MOUNTAIN MINT) -- see
Pycnanthemum lanceolatum

Pycnanthemum virginianum (VIRGINIA MOUNTAIN MINT) -- see *Pycnanthemum lanceolatum*

Pyrola = *Pyrola* spp. (PYROLA)/*Moneses uniflora* (ONE-FLOWERED PYROLA)/
Chimaphila spp. (WINTERGREEN, PIPSISSEWA) -- III 481, IV 30, 91, 114, 170, 258,
V 33, 348, VI 12, VII 113, X 281, 301, XI 322, 323, 337, XIV 271

___ (hollow) -- IX 472; ___ (leaf) -- X 280; ___ (-like) -- VII 306

see also Wintergreen

Pyrola asarifolia (PINK PYROLA)²⁶² -- II 266, IV 129

Pyrola chlorantha = *Pyrola virens* (GREENISH-FLOWERED PYROLA) -- IV 199, V 225,
233, VI 343, VII 404

Pyrola elliptica (SHIN-LEAF) -- IV 199, V 310, VI 381, VIII 404, XII 216

see also Shin-leaf

Pyrola (Great-leaved) = *Pyrola rotundifolia* (ROUND-LEAVED PYROLA) -- VII 188

Pyrola (Great Round-leaved) = *Pyrola rotundifolia* (ROUND-LEAVED PYROLA) -- XI
337

Pyrola (Large) = *Pyrola rotundifolia* (ROUND-LEAVED PYROLA) -- VI 149

Pyrola maculata = *Chimaphila maculata* (STRIPED WINTERGREEN) -- VIII 118

Pyrola (One-sided) = *Pyrola secunda* (ONE-SIDED PYROLA) -- IV 129, V 310

Pyrola rotundifolia (ROUND-LEAVED PYROLA) -- II 282, 458, III 364, IV 199, V 310,
VI 375, 381, VIII 404

see also *Pyrola asarifolia*, *Pyrola* (Great-leaved), *Pyrola* (Great Round-leaved), *Pyrola*
(Large), *Pyrola* (Round-leaved)

Pyrola (Round-leaved) = *Pyrola rotundifolia* (ROUND-LEAVED PYROLA) -- X 280

Pyrola secunda (ONE-SIDED PYROLA) -- IV 129, V 310, VI 12, 372, VII 233, IX 472, 478, 491, X 38

Pyrola (Small-leaved) = *Pyrola virens* (GREENISH-FLOWERED PYROLA) -- V 220

Pyrola (Spotted) = *Chimaphila maculata* (STRIPED WINTERGREEN) -- VI 388

Pyrola umbellata = *Chimaphila umbellata* (PIPSISSEWA) -- II 282, XI 261

Pyrola (Umbelled) = *Chimaphila umbellata* (PIPSISSEWA) -- II 283, IV 101, V 310, 473, X 505

__ (leaf) -- VI 143

Pyrola virens (GREENISH-FLOWERED PYROLA) -- see *Pyrola asarifolia*, *Pyrola chlorantha*, *Pyrola* (Small-leaved)

Pyrus = ²⁶³ -- II 211, 424, IV 281, 308, 432, VI 278, 296, 298, VII 352, 357, VIII 10, 355, 359, 411

__ (berry) -- IV 329, 484, VIII 399; __ (blossom) -- IX 373; __ (leaf) -- IV 318, VIII 410, X 171

see also Crab-apple, *Malus*, Mountain-ash

Pyrus americana (AMERICAN MOUNTAIN-ASH) -- see Mountain-ash (American)

Pyrus angustifolia (SOUTHERN CRAB-APPLE) -- II 211

see also Tea-tree

*Pyrus arbutifolia*²⁶⁴ = *Pyrus melanocarpa* (BLACK CHOKEBERRY)/*Pyrus floribunda* (PURPLE CHOKEBERRY) -- II 60, III 430, IV 69, 71, 75, 248, V 126, 160, 166, VI 234, 235, 298, 393, VII 332, 357, 358, X 458, 464, XIII 304

__ (bush) -- IV 124

Pyrus arbutifolia var. *erythrocarpa* = *Pyrus floribunda* (PURPLE CHOKEBERRY) -- II 216, IX 397

Pyrus arbutifolia var. *melanocarpa* = *Pyrus melanocarpa* (BLACK CHOKEBERRY) -- II 216, IV 228

Pyrus (Arbutus) = *Pyrus melanocarpa* (BLACK CHOKEBERRY)/*Pyrus floribunda* (PURPLE CHOKEBERRY)¹⁴³ -- IV 41

Pyrus aucuparia (EUROPEAN MOUNTAIN-ASH) -- IX 415, 460

see also Mountain-ash (European)

Pyrus botryapium = *Amelanchier laevis* (SMOOTH SHADBUSH) -- IV 48, 57

Pyrus communis (COMMON PEAR) -- see Pear

Pyrus coronaria (WILD SWEET CRABAPPLE) -- II 211

Pyrus floribunda (PURPLE CHOKEBERRY) -- see Chokeberry, Chokeberry (Red), Chokeberry (Red-fruited), Chokeberry (Scarlet), *Pyrus arbutifolia*, *Pyrus arbutifolia* var. *erythrocarpa*, *Pyrus* (Arbutus), *Pyrus* (Red)

Pyrus malus (COMMON APPLE) -- see Apple

Pyrus melanocarpa (BLACK CHOKEBERRY) -- see Chokeberry, Chokeberry (Black), Chokeberry (Black-fruited), *Pyrus arbutifolia*, *Pyrus arbutifolia* var. *melanocarpa*, *Pyrus* (Arbutus), *Pyrus* (Smooth-leaved)

Pyrus ovalis = *Amelanchier canadensis* (THICKET SHADBUSH) -- IV 48, 57, 129, V 120

Pyrus (Red) = *Pyrus floribunda* (PURPLE CHOKEBERRY) -- IV 322, IX 391

___ (berry) -- V 415

Pyrus sanguinea = ²⁶⁵ -- IV 130

Pyrus (Smooth-leaved) = *Pyrus melanocarpa* (BLACK CHOKEBERRY) -- VIII 356

Pyrus (Swamp) = *Amelanchier canadensis* (THICKET SHADBUSH) -- V 120, VII 511, VIII 41, IX 334, X 171

___ (bud) -- X 171; ___ (twig) -- VII 424

QUACK GRASS = *Agropyron repens*

QUEEN ANNE'S LACE = *Daucus carota*

Quercus spp. (OAK) -- see Acorn, Oak

Quercus alba (WHITE OAK) -- II 216

see also Oak (White)

Quercus bicolor (SWAMP WHITE OAK) -- II 226

see also Oak (Swamp), Oak (Swamp White), *Quercus prinus* var. *discolor*

Quercus chinquapin = *Quercus prinoides* (DWARF CHINQUAPIN OAK) -- IX 397

Quercus cinerea = *Quercus incana* (BLUEJACK OAK) -- IX 137

Quercus coccinea (SCARLET OAK) -- see Oak (Gray), Oak (Scarlet)

Quercus ilicifolia (SCRUB OAK) -- II 216, IV 264, V 166, VI 482, VII 18, 55, 199, XI 343, 411

— (acorn) -- VII 34

see also Oak (Bear), Oak (Bear Scrub), Oak (Bear Shrub), Oak (Black Scrub), Oak (Black Shrub), Oak (Scrub), Oak (Shrub)

Quercus imbricaria (SHINGLE OAK) -- IX 137

Quercus incana (BLUEJACK OAK) -- see *Quercus cinerea*

Quercus macrocarpa (MOSSY-CUP OAK) -- see Oak (Over-cup)

Quercus montana = *Quercus prinus* (CHESTNUT OAK) -- VII 472, IX 138

Quercus muhlenbergii (CHINQUAPIN OAK) -- see Oak (Yellow)

Quercus nigra (WATER OAK)²⁶⁶ -- VII 103

Quercus palustris (PIN OAK) -- IX 137

see also Oak (Pin)

Quercus phellos (WILLOW OAK) -- IX 137

Quercus prinoides (DWARF CHINQUAPIN OAK) -- II 216

see also Chinquapin, Oak (Chinquapin), Oak (Chinquapin Shrub), Oak (Dwarf Chestnut), Oaklet (Chinquapin), *Quercus chinquapin*

Quercus prinus (CHESTNUT OAK) -- see Oak (Chestnut), Oak (Rock Chestnut)

Quercus prinus var. *discolor* = *Quercus bicolor* (SWAMP WHITE OAK) -- II 226, IX 194

Quercus prinus var. *monticola* = *Quercus prinus* (CHESTNUT OAK) -- IX 138

Quercus robur (ENGLISH OAK) -- see Oak (English), Oak (Royal)

Quercus rubra (RED OAK) -- see Oak (Red)

Quercus velutina (BLACK OAK) -- see: Oak (Black), Oak (Red)

Queria = *Paronychia canadensis* (FORKED CHICKWEED) -- V 312, 366

Quince = *Cydonia oblonga* (QUINCE) -- V 181, VI 283, 299, VII 351, 394, XI 261, 301, XII 376

__ (bush) -- IX 67, XI 278

Radish (Wild) = *Raphanus raphanistrum* (WILD RADISH) -- II 428, 458, IV 237, V 296, VI 343, XIV 55

Radula (swamp) = *Aster radula* (ROUGH-LEAVED ASTER) -- IX 9

RAGWEED = *Ambrosia* spp.

Ragwort = *Senecio aureus* (GOLDEN RAGWORT)²⁶⁷ -- IV 40

Ramalina = a lichen

Ranunculus = *Ranunculus* spp. (BUTTERCUP, CROWFOOT) -- II 425, III 29, IV 107, 108, V 261, 300, 314, 527, VI 5, VIII 425, IX 408, X 431, 439, XIII 268

__ (flower) -- V 300; __ (-like) -- XIV 68: __ (stem) -- VII 38, XI 122

see also Buttercup

Ranunculus abortivus (SMALL-FLOWERED CROWFOOT)²⁶⁸ -- V 177, VI 313, 324, X 431, 443, XI 28, 60, XII 189, XIII 289

Ranunculus acris (TALL BUTTERCUP) -- II 266, 415, IV 73, 382, X 430

__ (pollen) -- VII 388

see also Buttercup (Tall), Crowfoot (Tall)

Ranunculus allegheniensis (ALLEGHENY CROWFOOT) -- see *Ranunculus abortivus*

Ranunculus aquatilis = *Ranunculus trichophyllus* (WHITE WATER BUTTERCUP) -- V 314, VI 419, VIII 408

Ranunculus bulbosus (BULBOUS BUTTERCUP) -- II 216, 266, IV 53, V 154, VI 269, VII 293, VIII 341, IX 115, 388, X 193, 431, XII 190, 194, XIII 205, 291, 295, 328

__ (pollen) -- VII 388

see also Buttercup (Bulbous), Crowfoot (Bulbous)

Ranunculus cymbalaria (SEASIDE CROWFOOT) -- XI 176

Ranunculus (Evergreen) = *Ranunculus flabellaris* (YELLOW WATER BUTTERCUP) -- VII 253, 256

Ranunculus fascicularis (EARLY BUTTERCUP) -- III 475, X 358, 365, XIII 256

see also Crowfoot (Early)

Ranunculus (Filiform) = *Ranunculus reptans* (CREEPING SPEARWORT) -- V 323

Ranunculus filiformis = *Ranunculus reptans* (CREEPING SPEARWORT) -- II 434, 435, IV 94, 221, V 260

Ranunculus flabellaris (YELLOW WATER BUTTERCUP) -- see *Ranunculus* (Evergreen), *Ranunculus purshii*, *Ranunculus* (Water), *Ranunculus* (Yellow Water)

Ranunculus flammula = *Ranunculus reptans* (CREEPING SPEARWORT) -- XII 260, 261

Ranunculus micranthus -- see *Ranunculus abortivus*

Ranunculus multifidus = *Ranunculus flabellaris* (YELLOW WATER BUTTERCUP) -- II 278

Ranunculus pensylvanicus (BRISTLY CROWFOOT) -- IX 77, 80

Ranunculus purshii = *Ranunculus flabellaris* (YELLOW WATER BUTTERCUP) -- IV 257, V 170, 260, 300, 309, 311, 314, 318, 382, VI 279, VII 391, VIII 360, 373, 382, 416, 425, IX 408, X 445, 487, XII 262, 267

Ranunculus recurvatus (HOOKED CROWFOOT) -- IV 73, V 164, VI 286, VII 391, VIII 362, X 443

Ranunculus repens (CREEPING BUTTERCUP) -- IV 356, 378, 411, 415, V 165, 177, 229, 366, 380, VI 316, VII 407, VIII 357, X 395, 427, 431, 439, XI 141, XII 12, 132, 163, XIII 205

see also Buttercup (Late)

Ranunculus repens var. *filiformis*²⁶⁹ = *Ranunculus reptans* (CREEPING SPEARWORT) -- IV 266

Ranunculus reptans (CREEPING SPEARWORT) -- IV 362, V 288, VI 361, VII 407, VIII 402

see also *Ranunculus* (Filiform), *Ranunculus filiformis*, *Ranunculus flammula*, *Ranunculus repens* var. *filiformis*, *Ranunculus* (Small)

Ranunculus (Small) = *Ranunculus reptans* (CREEPING SPEARWORT) -- IV 207

Ranunculus trichophyllus (WHITE WATER BUTTERCUP) -- see *Ranunculus aquatilis*, *Ranunculus* (White), *Ranunculus* (White Water)

Ranunculus (Water)²⁷⁰ -- V 486, VII 313

Ranunculus (White) = *Ranunculus trichophyllus* (WHITE WATER BUTTERCUP) -- XIII 281

Ranunculus (White Water) = *Ranunculus trichophyllus* (WHITE WATER BUTTERCUP) -- XII 216, XIII 352

Ranunculus (Yellow Water) = *Ranunculus flabellaris* (YELLOW WATER BUTTERCUP) -- IV 76, 83, 107, 163, V 452, 489, VI 345

Rape = *Brassica rapa* (FIELD MUSTARD) -- XIV 55

Rape = *Brassica napus* (TURNIP) -- XIV 158

Rape (Wild) = *Brassica napus* (TURNIP) -- XIV 55

Raphanus = *Raphanus raphanistrum* (WILD RADISH) -- VI 343

Raphanus raphanistrum (WILD RADISH) -- II 428, IV 237, X 492

see also Radish (Wild)

Raspberry = *Rubus* spp. (RASPBERRY, BLACKBERRY) -- I 424, II 281, 282, IV 80, 170, 230, 347, 366, V 199, 312, 406, VI 217, 232, 297, 312, 377, VII 37, 133, 330, 357, 366, VIII 416, 467, IX 494, 495, X 464, XI 24, 54, 61, XII 328, XIII 426, XIV 8, 9, 19, 25, 32, 50, 262, 309

___ (air) -- IX 501; ___ (bush) -- IV 344, 438; ___ (fragrance) -- IV 210; ___ (region) -- I 361; ___ (scent) -- XIV 8; ___ (season) -- IX 500; ___ (seed) -- XIV 35; ___ (shoot) -- X 185; ___ (spirit) -- IX 476; ___ (vine) -- VII 37

Raspberry (Common English) = *Rubus idaeus* (RED RASPBERRY) -- XIV 309

Raspberry (Dwarf) = *Rubus pubescens* (DWARF RASPBERRY) -- IV 170

Raspberry (Evergreen) = *Rubus hispidus* (SWAMP DEWBERRY) -- II 427

Raspberry (Flowering) = *Rubus odoratus* (PURPLE-FLOWERING RASPBERRY) -- VI 371, IX 63, 69

Raspberry (Purple-flowering) = *Rubus odoratus* (PURPLE-FLOWERING RASPBERRY) -- IV 159

Raspberry (Red) = *Rubus idaeus* (RED RASPBERRY) -- VI 405, XI 357

Raspberry (Wild Red) = *Rubus idaeus* (RED RASPBERRY) -- IV 179

Rattle-pod = *Crotolaria sagittalis* (RATTLEBOX) -- IV 348, X 152, XII 418, XIV 90

Rattlesnake Fern = *Botrychium virginianum* (RATTLESNAKE FERN) -- IX 479

Rattlesnake Grass = *Glyceria canadensis* (RATTLESNAKE GRASS) -- II 424, IV 199, V (297), 449, VIII 80, X 186, 257, XI 146, XIII 382

Rattlesnake-plantain = *Goodyera* spp. (RATTLESNAKE-PLANTAIN)²⁷¹ -- II 407, III 102, 344, 361, 463, IV 291, V 243, VII 188, 229, IX 28, X 8

___ (leaf) -- VII 305

Rattlesnake-plantain (White-veined) = *Goodyera tessellata* (CHECKERED RATTLESNAKE-PLANTAIN) -- IV 292

Rattlesnake-root = *Prenanthes alba* (WHITE LETTUCE) -- II 467

Rattlesnake-weed = *Hieracium venosum* (RATTLESNAKE-WEED) -- IV 131

Red-top = *Agrostis alba* (RED TOP) -- II 271, XI 146, XII 208, 217, 224, 226, 249, 258, 265, XIII 397, 399, 401, 403, 404, 414, XIV 4, 5

___ (red) -- XIII 399

Red-top Grass = *Agrostis alba* (RED TOP) -- II 286, XIII 399

REED = *Phragmites communis*

REED-GRASS = *Calamagrostis* spp.

Reed-mace = *Typha latifolia* (COMMON CATTAIL) -- III 226, IV 163, 186

Rhamnus cathartica (COMMON BUCKTHORN) -- VIII 378

see also Buckthorn

Rhexia = *Rhexia virginica* (COMMON MEADOW-BEAUTY) -- IV 238, 282, 295, 305, V 318, 325, 336, 392, VI 396, 431, 472, 473, VIII 432, 440, 443, IX 29, 97, XI 118, 184, XII 98, 257, 301, 305

Rhexia virginica (COMMON MEADOW-BEAUTY) -- II 322, 409, 415, 504, IV 229, 429

see also Meadow-beauty, Rhexia

Rhododendron = *Rhododendron* spp. (RHODODENDRON, AZALEA)²⁷² -- V 276

see also Azalea

Rhododendron canadense (RHODORA) -- see Rhodora, *Rhodora canadense*

Rhododendron lapponicum (LAPLAND ROSEBAY) -- XI 35, 60

Rhododendron maximum (ROSEBAY RHODODENDRON) -- V 161, 221

see also Rhododendron

Rhododendron roseum (ROSEHELL AZALEA) -- see Azalea, Azalea (Naked), Azalea (Naked-flowered), Azalea nudiflora, Azalea (Pink), Pinxter-flower

Rhododendron viscosum (SWAMP AZALEA) -- see Azalea, Azalea (White), Azalea nitida, Swamp-pink, Swamp-pink (White)

Rhodora = *Rhododendron canadense* (RHODORA) -- II 227, IV 63, 281, V 5, 160, 161, 163, 170, 175, 185, 311, 479, VI 271, 277, 281, 301, VII 380, 381, 389, 414, VIII 340, 344, 356, IX 369, 376, 395, X 13, 196, 285, 288, 430, 464, XI 31, 45, 46, 60, XII 187, 191, XIII 292, 299, XIV 26, 28, 31

— (bud) -- V 482

Rhodora canadensis = *Rhododendron canadensis* (RHODORA) -- II 396, IV 71, VIII 118, X 462

Rhus = *Rhus* spp. (SUMAC, POISON IVY) -- XIII 286

— (genus) -- II 425

see also Sumach

Rhus copallina (SHINING SUMAC) -- II 425, V 317, 323, 337, 343, VI 396, VIII 436, 459, 460, IX 7

see also Rhus (Mountain), Sumach (Dwarf), Sumach (Mountain)

Rhus glabra (SMOOTH SUMAC) -- II 349, IV 76, 208, 246, V 337, IX 481, X 29, 43

see also Sumach (Smooth)

Rhus (Mountain) = *Rhus copallina* (SHINING SUMAC) -- XIII 319, 320

Rhus radicans (POISON IVY) -- IV 91, VI 288, 300, VII 374, X 11, 23, 25, 58, XII 351, 368, 383, 386

see also Ivy, Ivy (Climbing), Ivy (Tree-climbing), *Rhus toxicodendron*

Rhus toxicodendron = *Rhus radicans* (POISON IVY) -- IV 91, V 227, VI 288, 300, 332, 390, 432, VII 368, 412, VIII 225, IX 10, 291, X 51, 58, 86, XI 129, 196, 222, 232, XII 383, XIII 286

___ (berry) -- XII 319; ___ (leaf) -- VI 397, XI 200, XII 308

Rhus typhina (STAGHORN SUMAC) -- II 349, VIII 401

see also Sumach (Staghorn)

Rhus venenata = *Rhus vernix* (POISON SUMAC) -- IV 141, VII 55, X 43, 67, XII 399

___ (berry) -- X 27

Rhus vernix (POISON SUMAC) -- see Dogwood, Dogwood (Poison), Dogwood (Scarlet), Dogwood (Venomous), *Rhus venenata*, Sumach (Poison)

Rhynchospora alba (WHITE BEAK-RUSH) -- XII 259, XIII 423

Rhynchospora fusca (BROWN BEAK-RUSH) -- XIII 387, 423

Rhynchospora = *Rhynchospora* spp. (BEAK-RUSH) -- XI 156, XII 235

Ribes spp. (GOOSEBERRY, CURRANT) -- IX 80 (see ¹)

Ribes americanum (AMERICAN BLACK CURRANT) -- see Currant (Black), Currant (Wild Black), *Ribes floridum*

Ribes cynosbati (PRICKLY GOOSEBERRY) -- V 136, IX 68, 79, X 452, XIV 8

see also: Gooseberry (Prickly-fruited), *Ribes*

Ribes floridum = *Ribes americanum* (AMERICAN BLACK CURRANT) -- V 127, VIII 342, X 431, XI 30, 60, XIII 283

Ribes glandulosum (SKUNK CURRANT) -- see Currant (Fetid), *Ribes prostratum*, *Ribes rigens*

Ribes hirtellum (SMOOTH GOOSEBERRY) -- III 485, IV 50, V 135, 346

see also Gooseberry, Gooseberry (Common Smooth)

Ribes lacustre (BRISTLY BLACK CURRANT) -- VIII 382, XI 60

see also Gooseberry (Prickly Branched), Gooseberry (Swamp)

Ribes odoratum (BUFFALO CURRANT) -- see Currant (Mississippi), Currant (Missouri)

Ribes prostratum = *Ribes glandulosum* (SKUNK CURRANT) -- IV 347, X 454, 464, 476, 477, XI 6, 60

Ribes rigens = *Ribes glandulosum* (SKUNK CURRANT) -- II 221

Ribes rotundifolium (ROUNDLEAF GOOSEBERRY) -- X 481

Ribes sativum (GARDEN RED CURRANT) -- See: Currant (Red)

Ribwort = *Plantago lanceolata* (ENGLISH PLANTAIN) -- IV 257, V 28, 179, VI 348, IX 34

Rice (Canadian) = *Zizania aquatica* (WILD RICE) -- IV 297

Rice (False) = *Leersia oryzoides* (RICE CUTGRASS) -- XI 141

Rice (Indian) = *Zizania aquatica* (WILD RICE) -- IV 297

Rice (Wild) = *Zizania aquatica* (WILD RICE) -- V 257, XII 328, 360

Rich-weed = *Pilea pumila* (CLEARWEED, RICHWEED) -- IV 317, VI 413, VIII 415, 432, XI 196, XII 340, 341

RICHWEED = *Collinsonia canadensis* or *Pilea pumila*

River-weed = *Podostemon ceratophyllum* (RIVERWEED) -- XII 252

Robinia pseudo-acacia (BLACK LOCUST) -- II 196

see also Locust

Robin's-plantain = *Erigeron pulchellus* (ROBIN'S PLANTAIN) -- V 128

Rocket (Yellow) = *Barbarea vulgaris* (COMMON WINTER CRESS) -- V 159, 206

Rock-rose = *Helianthemum canadense* (ROCK-ROSE)/*Helianthemum bicknellii* (HOARY FROSTWEED)² -- VIII 362

Rorippa islandica (MARSH YELLOW CRESS) -- see Cress (Brook), *Nasturtium hispidum*, *Nasturtium palustre*

Rosa spp. (ROSE) -- see Hip, Rose

Rosa carolina (PASTURE ROSE) -- see *Rosa lucida*, Rose (Common), Rose (Common Smooth), Rose (Common Wild), Rose (Early), Rose (Early Smooth), Rose (Early Straight-thorned), Rose (Early Wild)

Rosa carolina (old usage) = *Rosa palustris* (SWAMP ROSE) -- IV 231, V 316, 331, VI 372, 384, 387, VIII 416, XI 242, 259

— (hip) -- XI 455

Rosa eglanteria (SWEET-BRIER) -- see *Rosa rubiginosa*, Rose (Sweet-briar), Sweet-briar

Rosa lucida = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- IV 362, V 336, 421, VI 343, 348, 359, 366, 372, 387, 390, 401

Rosa micrantha (SMALL-FLOWERED SWEET-BRIER) = V 289

Rosa nitida (SHINING ROSE) -- IV 185, VI 343, 348, 359, 387, IX 491

— (bud) -- VI 335

see also Rose (Moss), Rose (Wild Moss)

Rosa palustris (SWAMP ROSE) -- see *Rosa carolina* (old usage), Rose (Late), Rose (Meadow), Rose (Swamp)

Rosa rubiginosa = *Rosa eglanteria* (SWEET-BRIER) -- VI 360

Rosa virginiana (VIRGINIA ROSE) -- see *Rosa lucida*, Rose (Common), Rose (Common Smooth), Rose (Common Wild), Rose (Early), Rose (Early Smooth), Rose (Early Straight-thorned), Rose (Early Wild)

Rosaceae (ROSE FAMILY) -- II 211, V 256, XII 347

Rose = *Rosa* spp. (ROSE) -- i 65, 183, I 69, 70, 423, II 72, 264, 310, 318, III 472, IV 98, 99, 113, 118, 120, 127, 128, 132, 133, 142, 148, 149, 164, 166, 169, 173, 189, 217, 231, 244, 266, 296, 301, 362, 367, 428, V 195, 199, 246, 256, 273, 276, 283, 284, 311, 316, 325, 336, 421, VI 343, VII 366, 420, IX 79, 452, 491, X 155, XI 70, 72, 266, 267, 277, 289, 301, 312, XII 136, 138, XIII 416

___ (-briar shoot) -- VI 143; ___ (bud) -- IV 132, 174; ___ (bush) -- IV 120, X 60, 98, 365, XI 455, XII 384; ___ (hip) -- II 125, IV 340, V 419, VI 150, XII 381, 383, XIII 134, 158, XIV 75, 232; ___ (leaf) -- VI 463, IX 63; ___ (seed) -- X 179

Rose (Common) = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- VII 334

Rose (Common Smooth) = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- XI (309)

___ (leaf)²⁷³ -- XI 288

Rose (Common Wild) = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- VII 333, XI 259

___ (hip) -- XIV 232

Rose (Early) = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- IV 320, V 324, VI 232, 233, 298, 478, VII 366

Rose (Early Smooth)(leaf) = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- XI 242

Rose (Early Straight-thorned) = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- IV (258)

Rose (Early Wild) = *Rosa virginiana* (VIRGINIA ROSE)/*Rosa carolina* (PASTURE ROSE)² -- VII 438

Rose (Late) = *Rosa palustris* (SWAMP ROSE) -- V 318, 331, 495, VI 87, 132, 275, 311, 401, 419, 422, XI 69, 309, XIII 406

___ (corymb) -- VIII 72; ___ (shoot) -- VII 386

Rose (Meadow) = *Rosa palustris* (SWAMP ROSE) -- V 464

Rose (Moss) = *Rosa nitida* (SHINING ROSE) -- IV 128, 258, VI 298, VII 19, 330, IX 30, XI 125

___ (hip) -- VI 486; ___ (twig) -- VII 231

Rose (River) = *Rosa palustris* (SWAMP ROSE) -- V 318

Rose (Swamp) = *Rosa palustris* (SWAMP ROSE) -- II 278, IV 120, V 331, 336, VI 300

Rose (Sweet-briar)(hip) = *Rosa eglanteria* (SWEET-BRIER) -- IX 104

Rose (Wild Moss) = *Rosa nitida* (SHINING ROSE) -- V 245, VI 375

___ (bud) -- V 231

ROSEBAY (LAPLAND) = *Rhododendron lapponicum*

Rose-campion = *Agrostemma githago* (CORN COCKLE) -- VII 443

ROSE-MALLOW = *Hibiscus* spp.

Rosemary = *Limonium nashii* (SEA LAVENDER) -- II 354, VIII 386

Rosemary (Marsh) = *Limonium nashii* (SEA LAVENDER) -- VII 438

Rotala ramosior (TOOTH-CUP) -- see *Ammania*, *Ammania humilis*

Round Grass = ²⁷⁴ -- II 359

ROYAL FERN = *Osmunda regalis*

Rubus = *Rubus* spp. (BLACKBERRY, RASPBERRY, DEWBERRY) -- IV 171, V 192, 376, VI 297, 379, VII 479, VIII 446, XI 337

see also Blackberry, Bramble, Raspberry

Rubus allegheniensis (ALLEGHENY BLACKBERRY) -- see Blackberry (High), *Rubus villosus*

Rubus canadensis = *Rubus* spp. (DEWBERRY)²⁷⁵ -- IV 196, 210, 257, V 314, VI 288, 291, VIII 423, 445, X 14

Rubus flagellaris (NORTHERN DEWBERRY) -- see Blackberry (Low), *Rubus canadensis*

*Rubus frondosus*²⁷⁶ = *Rubus pensilvanicus* (PENNSYLVANIA BLACKBERRY) -- X 15, 493, 509

Rubus hispidus (SWAMP DEWBERRY) -- IV 196, VI 351, VIII 448, IX 16, X 283, XI 327, 342

— (leaf) -- XI 337

see also Blackberry (*Sempervirens*), Blackberry (Swamp), *Rubus sempervirens*

Rubus idaeus (RED RASPBERRY) -- XIV 309

see also Raspberry (Red), Raspberry (Wild Red), *Rubus strigosus*

Rubus occidentalis (BLACK RASPBERRY) -- see Thimbleberry, Thimbleberry (Black)

Rubus odoratus (PURPLE-FLOWERING RASPBERRY) -- IV 159

see also Raspberry (Flowering)

Rubus pensilvanicus (PENNSYLVANIA BLACKBERRY) -- see Blackberry (High), *Rubus frondosus*

Rubus pubescens (DWARF RASPBERRY) -- see: Blackberry (Red), *Rubus triflorus*

Rubus sempervirens = *Rubus hispidus* (SWAMP DEWBERRY) -- II 427, VI 288, 299, X 283, XIII 426

— (berry) -- XI 150

Rubus strigosus = *Rubus idaeus* (RED RASPBERRY) -- IV 179

Rubus triflorus = *Rubus pubescens* (DWARF RASPBERRY) -- IV 50, 170, V 309, VI 297, 299, 305, 449, VII 366, 395, VIII 351, 377, IX 371, 409, 471, 476, X 447, XI 24, 60

— (berry) -- VI 379

Rubus villosus = *Rubus allegheniensis* (ALLEGHENY BLACKBERRY) -- X 14, 15, 493, 509

Rudbeckia = *Rudbeckia* spp. (CONEFLOWER) -- IV 298, V 356, VI 411, 412, 414, 473

*Rudbeckia hirta*²⁷⁷ -- *Rudbeckia serotina* (BLACK-EYED SUSAN) -- VI 383, VIII 384, IX 456

___ (flower) -- VIII 435

Rudbeckia laciniata (TALL CONEFLOWER) -- IV 302, VIII 434, 435, X 24, 38

Rudbeckia serotina (BLACK-EYED SUSAN) -- see Coneflower, *Rudbeckia hirta*

Rudbeckia (Small) = *Rudbeckia serotina* (BLACK-EYED SUSAN) -- IX 456

Rudbeckia speciosa (SHOWY CONEFLOWER) -- XI 115

Rue = *Thalictrum* spp. (MEADOW RUE)²⁷⁸ -- VI 324, 333, 367, 419, VIII 408, 443, IX 6, 491, X 98, XI 24, XIII 398

___ (leaf) -- VIII 436

Rue (Common) = *Thalictrum polygamum* (TALL MEADOW RUE) -- XI 24, 47, 60

RUE (GOAT'S) = *Tephrosia virginiana*

Rue (Late) = *Thalictrum polygamum* (TALL MEADOW RUE) -- XI 242

Rue (Tall) = *Thalictrum polygamum* (TALL MEADOW RUE) -- VIII 411

Rumex acetosella (SHEEP SORREL) -- V 116

see also Sheep-sorrel, Sorrel

Rumex crispus (CURLED DOCK) -- IV 106

see also Dock (Common Curled), Dock (Curled), Dock (Yellow)

Rumex hydrolapathum = *Rumex orbiculatus* (GREAT WATER DOCK) -- IV 310, V 346

Rumex obtusifolius (BROAD-LEAVED DOCK, BITTER DOCK) -- IV 302, V 291, 316, VI 363, 366, XIV 68

Rumex orbiculatus (GREAT WATER DOCK) -- See Dock (Great Water), Dock (Water),
Rumex hydrolapathum

Ruppia maritima (DITCH-GRASS) -- XI 172

Rush = ²⁷⁹

Rush (Bayonet) = *Juncus militaris* (BAYONET RUSH) -- VI 462, VII 39, 57, 471, XI 137, 251, XII 73, 227, 451, XIII 139, 323, 383

Rush (Black) = *Scirpus validus* (GREAT BULRUSH) -- V 344

Rush (Common) = *Juncus effusus* (TUFTED RUSH) -- III 480

Rush (Common Large) = *Scirpus validus* (GREAT BULRUSH) -- V 318

Rush (Field) = *Luzula multiflora* (COMMON WOODRUSH) -- IV 55

Rush Grass = *Sporobolus vaginiflorus* (SHEATHED RUSH GRASS) -- XI 148

Rush (Rainbow) = *Juncus militaris* (BAYONET RUSH) -- IV 389, V 314, VI 489, VII 471, 479, XI 73, 252

Rush (Slender) = ²⁸⁰ -- VIII 304

Rush (Soft) = *Juncus effusus* (TUFTED RUSH) -- III 480, XI 156

Rush (Spiked) = *Scirpus* spp. (BULRUSH) -- XI 23

Rush (Spiked) = *Eleocharis* spp. (SPIKE-RUSH) -- XI 132

Rush (Tall) = ²⁸¹ -- II 411

Rush (Tall Green) = ²⁸¹ -- II 335

Rush (Twig) = *Cladium mariscoides* (TWIG-RUSH) -- XI 139

Rush (Water Bog) = *Cladium mariscoides* (TWIG-RUSH) -- XI 139

Rush (Wood) = *Luzula* spp. (WOODRUSH) -- VII 359

Rye = *Elymus virginicus* (VIRGINIA WILD RYE) -- XIII 267

Rye = *Secale cereale* (RYE) -- IV 93, V 155, 178, VI 303

Rye (Wild) = *Elymus virginicus* (VIRGINIA WILD RYE) -- XI 142, XIII (267)

Sabatia kennedyana (PLYMOUTH GENTIAN) -- see *Sabatia chloroides*

Sabatia chloroides = *Sabatia kennedyana* (PLYMOUTH GENTIAN) -- VII 479, X 9

Sage = *Salvia officinalis* (SAGE) -- i 328, I 280

Sagina procumbens (MATTED PEARLWORT) -- VIII 118, IX 483

see also *Arenaria*

Sagittaria = *Sagittaria* spp. (ARROWHEAD) -- IV 170, 173, 264, V 283, VIII 402

___ (leaf) -- XI 102

-- see also Arrowhead

Sagittaria graminea (GRASS-LEAVED ARROWHEAD) -- see *Sagittaria simplex*

Sagittaria latifolia (COMMON ARROWHEAD) -- see *Sagittaria sagittifolia*

Sagittaria sagittifolia = *Sagittaria latifolia* (COMMON ARROWHEAD) -- II 389

Sagittaria simplex = *Sagittaria graminea* (GRASS-LEAVED ARROWHEAD) -- X 21

Salicornia = *Salicornia* spp. (GLASSWORT) -- II 355

Salicornia bigelovii (DWARF GLASSWORT) -- see *Salicornia mucronata*

Salicornia europaea (SLENDER GLASSWORT, SAMPHIRE) -- see Samphire

Salicornia herbacea = *Salicornia europaea* (SLENDER GLASSWORT, SAMPHIRE) -- VII 438

Salicornia mucronata = *Salicornia bigelovii* (DWARF GLASSWORT) -- VII 438

Salix = *Salix* spp. (WILLOW) -- III 475, X 385, 477, XIV 328

see also Osier, Sallow, Willow

Salix alba (WHITE WILLOW) -- IV 37, 41, 45, 50, 56, 61, 66, V 116, 118, 121, 122, VI 227, 232, 235, 236, 251, 259, 298, VII 332, 337, 357, 358, 359, 371, 396, VIII 329, 330, 331, IX 358, 361, X 394, 409, 419, 490, XI 214, 222, 245, 249, 251, 268, 301, 403, XII 167, XIII 249, 271, 287, 336, 416, XIV 327

__ (catkin) -- XIII 300; __ (osier) -- XI 264; __ (root) -- IX 368

see also Osier, Osier (Yellow), *Salix caerulea*, Willow (Golden), Willow (White), Willow (Yellow)

Salix amygdalina (ALMOND-LEAVED WILLOW) -- see Willow (Plum-leaved)

Salix argyrocarpa (SILVER WILLOW) -- see *Salix repens*

Salix babylonica (WEEPING WILLOW) -- IX 361, X 394, XI 155

see also Willow (Weeping)

Salix bebbiana (BEBB WILLOW) -- see *Salix rostrata*

Salix caerulea = *Salix alba* var. *calva* (BLUE WILLOW) -- VII 388

Salix conifera = *Salix humilis* (PRAIRIE WILLOW) -- III 479

*Salix cordata*²⁸² = *Salix rigida* (WAND WILLOW) -- VII 409, VIII 13, 331, 368, IX 362, X 385, XI 214, 252, 259,

Salix crassa = *Salix discolor* (PUSSY WILLOW) -- III 479

Salix discolor (PUSSY WILLOW) -- III 479, V 298, VI 449, VII 417, IX 340, X 130, 463, 464, XI 245, 246, 276, XII 119, 164, 176, 399, XIII 237, 251, 294, XIV 171

__(down) -- XIII 293; __ (-like) -- XII 164; __ (seed) -- XII 188

see also *Salix eriocephala*, Willow (Bog), Willow (Swamp)

*Salix eriocephala*²⁸³ = *Salix discolor* (PUSSY WILLOW) -- III 479, V 80, 86, 298, VI 449, VII 417, X 395, XII 164

Salix gracilis (SLENDER WILLOW) -- see *Salix petiolaris*, *Salix rosmarinifolia*

Salix grisea = *Salix sericea* (SILKY WILLOW) -- III 478, 479, XI 171

Salix herbacea (DWARF WILLOW) -- XI 36, 60

Salix humilis (PRAIRIE WILLOW) -- III 433, 479, IV 20, 49, VI 206, 230, 449, IX 340, X 363, 367, 368, 427, 463, 464, XI 212, 239, 276, XII 133, 164, 176, XIII 244, 294, XIV 327

___ (leaf) -- XI 204; ___ (-like) -- XI 31, 60

see also *Salix longirostris*, *Salix muhlenbergia*, *Salix tristis*, Willow (Little Sage), Willow (Sage)

Salix longirostris = *Salix humilis* var. *microphylla* (DWARF GRAY WILLOW) -- III 80

Salix lucida (SHINING WILLOW) -- VII 409, VIII 444, IX 55, 56, 61, 368, 399, 406, X 415, 422, 452, XI 74, 245, XII 188, XIV 327

___ (leaf) -- VIII 422, XI 197, 217

Salix muhlenbergia = *Salix humilis* (PRAIRIE WILLOW) -- III 433, 479, V 92

Salix nigra (BLACK WILLOW) -- IV 53, 74, 202, 214, V 160, 164, VI 278, VII 371, 382, IX 390, 399, 473, X 445, 486, 496, XIII 330, 336, XIV 327

___ (pollen) -- VII 386

see also *Salix purshiana*, Willow (Black), Willow (Black Dwarf), Willow (Late Water)

Salix pedicellaris (BOG WILLOW) -- IX 406, X 396, 397, 419, 445, XI 245, XII 193, XIV 327

see also Willow (Dwarf)

Salix petiolaris = *Salix gracilis* (SLENDER WILLOW) -- VIII 444, X 419, XII 190, XIV 327

Salix phylicifolia = *Salix planifolia* (TEALEAF WILLOW) -- XI 25, 61, 171

Salix planifolia (TEALEAF WILLOW) -- see *Salix phylicifolia*

Salix prinoides = *Salix discolor* (PUSSY WILLOW) -- III 479

Salix purpurea (PURPLE OSIER) -- X 395, XII 115, 140, 154, XIII 244, 254

Salix purshiana = *Salix nigra* (BLACK WILLOW) -- IV 301, 357, VI 381, 402, 421, 429,

___ (shore) -- VII 226

*Salix repens*²⁸⁴ = *Salix argyrocarpa* (SILVER WILLOW) -- XI 25, 43, 61, 171

Salix rigida (WAND WILLOW) -- see *Salix cordata*, *Salix torreyana*

Salix rosmarinifolia = *Salix gracilis* (SLENDER WILLOW) -- IX 414

Salix rostrata = *Salix bebbiana* (BEBB WILLOW) -- VIII 368, IX 357, 402, X 419, 427, 452, 463, 464, XI 245, 259, XII 133, 164, 174, XIII 263

___ (flower) -- X 401; ___ (-like) -- XI 46; ___ (seed) -- XII 193;

Salix russeliana = *Salix x rubens*²⁸⁵ -- IX 497

Salix sensitiva = *Salix discolor* (PUSSY WILLOW) -- III 479

Salix sericea (SILKY WILLOW) -- III 479, VI 449, VII 396, 409, VIII 331, X 393, 419, 423, XI 171, 252, 258, 259, 288, XIII 299, XIV 224

___ (-like) -- VIII 443;

see also *Salix grisea*

Salix torreyana = *Salix rigida* (WAND WILLOW) -- IX 461, X 385, 419, XI 30, 245, 259, XIII 263, XIV 327

___ (catkin) -- X 422; ___ (-like) -- XI 60; ___ (seed) XII 193

Salix tristis = *Salix humilis* var. *microphylla* (DWARF GRAY WILLOW) -- III 479, IV 20, 43, 49, V 116, VI 236, VII 320, 335, VIII 293, IX 355, 402, 481, X 128, 386, 427, 482, XI 239, 249, 252, 260, XII 133, XIII 321, XIV 327

Salix uva-ursi (BEARBERRY WILLOW) -- XI 17, 36, 47, 60

Sallow = *Salix* spp. (WILLOW) -- V 108, 275, 464, VI 71, 86, 91, 191, VII 236, 320, 396, VIII 4, 10, 13, 182, 273, 276, 279, 293, X 128, XI 71, 301, 308, 312, XII 41, XIV 328

___ (bud) -- V 482; ___ (catkin) -- VII 318; ___ (leaf) -- VIII 6

Salsola kali (COMMON SALTWORT) -- VI 487, VII 433, XII 374

see also Saltwort

Salsola caroliniana = *Salsola kali* (COMMON SALTWORT) -- II 355

Saltwort = *Salsola kali* (COMMON SALTWORT) -- II 354, 355, VII 433

Sambucus canadensis (COMMON ELDER) -- see Elder, Elderberry, Elderberry (Black)

Sambucus pubens (RED-BERRIED ELDER) -- VIII 380, IX 484, XI 281

see also Elder (Panicked), Elder (Red), Elderberry (Red)

Samphire = *Salicornia europaea* (SLENDER GLASSWORT, SAMPHIRE) -- II 355, VII 438, 480, XI 175, 176, 300

___ (-like) -- IX 433

Sandalwood = *Santalum album* (WHITE SANDALWOOD) -- XIV 302

SANDWORT = *Arenaria* spp.

Sandwort (Sea) = *Arenaria peploides* (SEABEACH SANDWORT) -- VII 433

Sandwort (Side-flowering) = *Arenaria lateriflora* (GROVE SANDWORT) -- IV 83, V 192, VI 296, VII 407, VIII 375

Sandwort (Spurry) = *Spergularia rubra* (SAND SPURREY) -- IV 277, V 199

Sandwort (Thyme-leaved) = *Arenaria serpyllifolia* (THYME-LEAVED SANDWORT) -- V 184, VII 320, VIII 60

Sanguinaria canadensis (BLOODROOT) -- IX 80, X 381

see also Bloodroot

Sanicle= *Sanicula marilandica* (BLACK SNAKEROOT) -- V 218, VI 323, VIII 358

Sanicula marilandica (BLACK SNAKEROOT) -- IV 91

see also Sanicle

Saponaria vaccaria (COW-HERB) -- V 338

Sarothra = *Hypericum gentianoides* (PINEWEED) -- IV 356, 361, VI 401, VII 408, VIII 441, 465, IX 9, 35, 149, XI 234, XII 40, 41, 45, 313

Sarothra gentianoides = *Hypericum gentianoides* (PINEWEED) -- II 69

Sarracenia = *Sarracenia purpurea* (PITCHER PLANT) -- IV 257

Sarracenia purpurea (PITCHER PLANT) -- III 33

see also Pitcher-plant, Sarracenia, Side-saddle, Side-saddle Flower

Sarsaparilla = *Aralia nudicaulis* (WILD SARSAPARILLA) -- IV 71, 286, 292, V 172, 191, X 154, XII 304, 345

___ (berry) -- IV 229, V 313, VIII 418, XIII 362; ___ (flower) -- XII 188, XIII 299; ___ (leaf) -- VII 17, VIII 467, XI 118; ___ (plant) -- XII 306

Sassafras = *Sassafras albidum* (SASSAFRAS) -- II 60, 64, 73, 197, 206, 434, III 292, 373, IV 76, 79, V 5, 151, 160, VI 131, 235, 261, 266, 285, 301, VII 61, 381, VIII 423, IX 57, 136, 374, 377, X 40, 111

___ (bark) -- V 362; ___ (berry) -- IX 58; ___ (hedge) -- V 352; ___ (leaf) -- II 309, IV 359, V 437, IX 67; ___ (shore) -- VI 302; ___ (stump) -- X 15; ___ (tree) -- III 60, V 179, 449, VI 443, VII 53, 58, X 64, XI 242, XII 9; ___ (-ing) -- V 73

SATIN GRASS = *Muhlenbergia* spp.

Satureja vulgaris (BASIL) -- see *Clinopodium vulgare*

Savin = *Juniperus virginiana* (EASTERN RED CEDAR) -- VI 143

___ (tree) -- XIV 313

Saw-grass = *Paspalum ciliatifolium* (CILIALE-LEAVED PASPALUM) -- XI 114, 124, XII 288, 294

Saxifraga pensylvanica (SWAMP SAXIFRAGE) -- IV 54

see also Saxifrage, Saxifrage (Meadow), Saxifrage (Water)

Saxifraga rivularis (ALPINE BROOK SAXIFRAGE) -- see Alsine

Saxifraga vernalis = *Saxifraga virginensis* (EARLY SAXIFRAGE) -- III 364, 472

Saxifraga virginensis (EARLY SAXIFRAGE) -- III 475

see also *Saxifraga vernalis*, Saxifrage, Saxifrage (Common), Saxifrage (Early)

Saxifrage = *Saxifraga pensylvanica* (SWAMP SAXIFRAGE) -- IV 73

Saxifrage = *Saxifraga virginensis* (EARLY SAXIFRAGE) -- II 181, III 334, 391, 424, 467, 473, IV 20, 58, V 24, 88, 107, 154, 179, 227, VI 133, 183, 189, 195, 211, 216, 229, 231, 248, VII 280, 300, 342, VIII 60, 241, 242, 261, 280, IX 330, 388, X 357, 358, XII 132, XIII 236, 278

Saxifrage (Common) = *Saxifraga virginensis* (EARLY SAXIFRAGE) -- VIII 293

Saxifrage (Early) = *Saxifraga virginensis* (EARLY SAXIFRAGE) -- III 472, VII 293

Saxifrage (Golden) = *Chrysosplenium americanum* (GOLDEN SAXIFRAGE) -- IV 11, 54, VI 12, VII 303, VIII 233, 272, 288, IX 294, X 373, XII 12

Saxifrage (Meadow) = *Saxifraga pensylvanica* (SWAMP SAXIFRAGE) -- III 468, VI 211, 239, VII 105, X 421, XII 191, XIII 321

Saxifrage (Water) = *Saxifraga pensylvanica* (SWAMP SAXIFRAGE) -- V 15, 144, VI 288, XIII 398

Scabish = *Oenothera biennis* (COMMON EVENING PRIMROSE)/*Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE)² -- II 273, 309, 415, III 126

Scheuchzeria = *Scheuchzeria palustris* (SCHEUCHZER'S RUSH) -- IX 405, XII 191, 196, XIII 313, 384

Scheuchzeria palustris (SCHEUCHZER'S RUSH) -- VII 111, X 493, XI 84

see also Scheuchzeria

Scirpus = ²⁸⁶ -- IV 377, VIII 423, XI 124

see also Bulrush, *Trichophorum*, Wool-grass

Scirpus americanus (CHAIR-MAKER'S RUSH) -- see *Scirpus pungens*

Scirpus atrocinctus (DUSKY WOOL-GRASS) -- see *Scirpus eriophorum*, *Trichophorum*, Wool-grass

Scirpus atrovirens (DUSKY BULRUSH) -- see *Scirpus sylvaticus*

Scirpus cespitosus (TUFTED CLUB-RUSH) -- XI 46

___ (-like) -- XI 23

Scirpus capillaris = *Bulbostylis capillaris* (HAIR-LIKE BULBOSTYLIS) -- VI 447, XI 124

Scirpus cyperinus (COMMON WOOL-GRASS) -- XIV 8

see also *Scirpus eriophorum*, *Trichophorum*, Wool-grass

Scirpus debilis = ²⁸⁷ -- XI 138, XIII 411

Scirpus eriophorum = ²⁸⁸ -- IV 386, XI 142, XIII 369, 402, XIV 18

Scirpus fluviatilis (RIVER BULRUSH) -- XII 232, 269, 270, XIII 345

Scirpus lacustris = *Scirpus validus* (GREAT BULRUSH)²⁸⁹ -- IV 121, V 344, 486, VI 348, 351, XI 73, 251, XII 209, 231, 270, 388, XIII 343, 374, 402

Scirpus longii (LONG'S WOOL-GRASS) -- see *Scirpus eriophorum*, *Scirpus sylvaticus*, *Trichophorum*, Wool-grass, Wool-grass (Large Early)

Scirpus maritimus (SALT MARSH BULRUSH)²⁹⁰ -- XI 174

Scirpus paludosus (BAYONET-GRASS) -- see *Scirpus maritimus*

Scirpus planifolius = *Scirpus verecundus* (WOOD CLUB-RUSH) -- XII 185, XIII 305

Scirpus pungens = *Scirpus americanus* (CHAIR-MAKER'S RUSH) -- XI 171

Scirpus purshianus (PURSH'S CLUB RUSH) -- see *Scirpus debilis*

Scirpus rubrotinctus (RED BULRUSH) -- see *Scirpus sylvaticus*

Scirpus strigosus = *Cyperus strigosus* (STRAW-COLORED CYPERUS) -- VI 446

Scirpus subterminalis (WATER CLUB RUSH) -- XI 161, XII 244, XIII 381, 411, 425

Scirpus sylvaticus = ²⁹¹ -- X 445

Scirpus validus (GREAT BULRUSH) -- see Bulrush, Bulrush (Tall), Rush (Common Large), Rush (Tall), Rush (Tall Green), *Scirpus lacustris*

Scirpus verecundus (WOOD CLUB-RUSH) -- see *Scirpus planifolius*

Scleranthus = *Scleranthus annuus* (KNAWEL) -- VI 232, VII 388

Scleranthus annuus (KNAWEL) -- IV 91

see also Gnawel, Knawel, Knawel (Common), *Scleranthus*

Scorpion Grass = *Myosotis verna* (SPRING FORGET-ME-NOT) -- V 151

Scouring-rush = *Equisetum hyemale* (SCOURING RUSH) -- VII 81, 388, 391, 404, IX 71, XI 5, XIII 205

Scratch-grass = *Polygonum sagittatum* (ARROW-LEAVED TEARTHUMB) -- II 422, IV 170

Scratch-weed = *Polygonum arifolium* (HALBERD-LEAVED TEARTHUMB) -- IV 307

Scutellaria spp. (SKULL-CAP) -- see Skull-cap

Scutellaria epilobiifolia (MARSH SKULLCAP) -- see *Scutellaria galericulata*, Skull-cap (Larger)

Scutellaria galericulata = *Scutellaria epilobiifolia* (MARSH SKULLCAP) -- II 424, IV 215, V 330, VI 378, VIII 413, IX 494

Scutellaria lateriflora (MAD-DOG SKULLCAP) -- II 411, IV 291, VI 393, VIII 422, XII 305

see also *Scutellaria* (Side-flowering), Skull-cap (Side-flowering), Skull-cap (Small)

Scutellaria (Side-flowering) = *Scutellaria lateriflora* (MAD-DOG SKULLCAP) -- V 313

SEA BLITE = *Suaeda* spp.

SEA LAVENDER = *Limonium nashii*

Sea-rocket = *Cakile edentula* (SEA ROCKET) -- II 466, VII 433

Sea-rocket (American) = *Cakile edentula* (SEA ROCKET) -- II 349

Secale cereale (RYE) -- see Rye

Sedge (Early) = *Carex pensylvanica* (EARLY SEDGE)/*Carex umbellata* (SAND SEDGE)²⁹² -
- IV 59, V 74, 81, 117, VII 418, VIII 460, XII 168, XIII 209, 244

Sedge (Great Tufted) = *Carex stricta* (TUSOCK SEDGE) -- XIV 335

Sedge-grass = *Carex pensylvanica* (EARLY SEDGE)/*Carex umbellata* (SAND SEDGE)²⁹² --
V 117

___ (blossom) -- IV 31

Sedge-grass (Early) = *Carex pensylvanica* (EARLY SEDGE) -- VIII 268, XII 334

Sedum = *Sedum telephium* (LIVE-FOREVER)/*Sedum purpureum* (LIVE-FOREVER)² -- V
135

Sedum purpureum (LIVE-FOREVER) -- see Aaron's-rod, *Ledum telephium*, Sedum,
Sedum telephium

Sedum telephium (LIVE-FOREVER) 293 -- IV 268, 430, V 362, VIII 467, XI (142)

see also Aaron's-rod, *Ledum telephium*, Sedum

Seed-box = *Ludwigia alternifolia* (SEEDBOX) -- XIII 31, 32

Selaginella apoda (MEADOW SPIKEMOSS) -- see *Selaginella apus*

Selaginella apus = *Selaginella apoda* (MEADOW SPIKEMOSS) -- VII 272, VIII 293

Selaginella rupestris (ROCK SPIKEMOSS) -- VII 519, VIII 442

Self-heal = *Prunella vulgaris* (HEAL-ALL) -- II 65, III 381

Sempervivum tectorum (HOUSELEEK) -- IV 430, VIII 446

see also House-leek, Leek

Senecio = *Senecio aureus* (GOLDEN RAGWORT)²⁶⁷ --IV 56, 75, 115, 122, 173, V 15, 17, 184, 296, 399, 450, VI 288, 341, VII 399, XIII 217, 289, XIV 106, 222

Senecio aureus (GOLDEN RAGWORT)²⁶⁷ --II 227, IV 40, XII 304

see also Senecio, Senecio (Golden)

Senecio (Golden) = *Senecio aureus* (GOLDEN RAGWORT)²⁶⁷ -- II 217, 227, IV 40, 52, 91, V 163, 236, VI 149, 211, 337, VIII 357, X 18, 481, XII 192

Senecio hieracifolius = *Erechtites hieracifolia* (PILEWORT) -- II 427

Senecio vulgaris (COMMON GROUNDSEL) -- IX 415, XII 374

Senelles = *Crataegus* spp. (HAWTHORN)²⁹⁴ -- IV 361

Senna (Wild) = *Cassia hebecarpa* (WILD SENNA) -- VIII 461

Sensitive Fern = *Onoclea sensibilis* (SENSITIVE FERN) -- V 405, VI 221, 331, 425, 454, VII 107, IX 62, XII 201, 226, XIII 292, XIV 28

Sericocarpus = *Sericocarpus asteroides* (TOOTHED WHITE-TOPPED ASTER)/*Sericocarpus linifolius* (NARROW-LEAVED WHITE-TOPPED ASTER)¹⁴³ -- VI 384, 388, 412, XI 139

___ (-like) -- X 457, 463

Sericocarpus asteroides (TOOTHED WHITE-TOPPED ASTER) -- see Aster (Conyza-like), *Sericocarpus*, *Sericocarpus conyzoides*

*Sericocarpus conyzoides*²⁹⁵ = *Sericocarpus asteroides* (TOOTHED WHITE-TOPPED ASTER) -- IV 215, 231, V 308, 341, VIII 404, 465

Sericocarpus linifolius (NARROW-LEAVED WHITE-TOPPED ASTER) -- see *Sericocarpus*, *Sericocarpus conyzoides*

Service-berry = *Amelanchier* spp. (SHADBUSH) -- i 360, I 315, IV 44, V 302, 303

Setaria spp. (BRISTLY FOXTAIL) -- see Bottle-grass

Setaria glauca (YELLOW BRISTLY FOXTAIL) -- XI 124, XIV 53

Setaria viridis (GREEN BRISTLY FOXTAIL) -- XI 124, XIII 405

Shad = *Amelanchier* spp. (SHADBUSH)

___ (berry) -- V 294, VI 372, 377, XII 322; ___ (blossom)-- III 79, IV 48, 61, 62, 71, V 44; ___ (leaf) -- VI 253

Shad-bush = *Amelanchier* spp. (SHADBUSH) -- III 450, IV 44, V 125, 128, 471, VI 50, 111, 199, 213, 253, 333, 334, VII 332, X 393, 421, XI 292, 293, XII 133, 176, 194, 377, XIII 282, 283, 297, 300, 304, 426, XIV 262, 340

___ (berry) -- VI 316; ___ (bud) -- VII 69; ___ (flower) -- XIII 281; ___ (flower-bud) -- VII 321; ___ (thought) -- XII 377

Shagbark = *Carya ovata* (SHAGBARK HICKORY) -- VII 64, 65, 265, IX 177, X 111, 210, XII 312, 445, XIV 243

___ (tree) -- IX 187

Shave-grass = *Equisetum hyemale* (SCOURING RUSH) -- VII 81

Sheep's-sorrel = *Rumex acetosella* (SHEEP SORREL) -- IV 93

Shepherd's-purse = *Capsella bursa-pastoris* (SHEPHERD'S-PURSE) -- II 451, III 469, IV 62, 201, 257, 379, 408, 415, 426, V 47, 453, 481, 488, 489, VI 159, 182, 211, 216, VII 105, 132, 333, VIII 9, 242, 287, IX 115, X 367, XII 132, XIII 159, 180, 196, 200, 208, 289

___ (radical leaf) -- XII 27

Shield Fern = *Polystichum acrostichoides* (CHRISTMAS FERN) -- V 343

Shield Fern (Marginal) = *Dryopteris marginalis* (MARGINAL WOODFERN) -- V 405, 508, VI 189, X 123, XIII 279, (292)

Shield Fern (Terminal) = *Polystichum acrostichoides* (CHRISTMAS FERN) -- V 405, 508, VI 12, VII 521, X 123, 164, 250, XI 323, (332), XII 353, 359

Shin-leaf = *Pyrola elliptica* (SHIN-LEAF) -- IV 91, 199, V 310, VII 188

Sickle-pod = *Arabis canadensis* (SICKLEPOD) -- V 366, VI 410

Sicyos = *Sicyos angulatus* (ONE-SEEDED BUR CUCUMBER) -- V 353, 373, VI 419, 426

Sicyos angulatus (ONE-SEEDED BUR CUCUMBER) -- IV 322

see also Sicyos

Side-saddle = *Sarracenia purpurea* (PITCHER PLANT) -- VI 335, 341, VII 412

— (leaf) -- XIII 299

Side-saddle Flower = *Sarracenia purpurea* (PITCHER PLANT) -- III 33, IV 75, 81, 93, V 196, 218, 227, 245, 261, 396, VIII 377, X 487, XIII 69

Silene = *Silene* spp. (CATCHFLY, CAMPION) -- V 324, VI 305, VII 404

Silene acaulis (MOSS CAMPION) -- XI 19, 61

Silene antirrhina (SLEEPY CATCHFLY) -- IV 98, 258, V 202, VI 344, VII 395, 423

see also Catchfly (Sleepy), Catchfly (Snapdragon)

Silene armeria (SWEET-WILLIAM CATCHFLY) -- see Catchfly (Common Garden), Pink (Sweet-William)

Silene caroliniana (WILD PINK) -- see Pink, Pink (Common Wild), Pink (Wild), *Silene pennsylvanica*

Silene cucubalus (BLADDER CAMPION) -- see Campion (Bladder), *Silene inflata*

Silene inflata = *Silene cucubalus* (BLADDER CAMPION) -- X 502

Silene pennsylvanica = *Silene caroliniana* (WILD PINK) -- II 218, X 439

Silkweed = *Asclepias* spp. (MILKWEED) -- II 314

Silkweed (Water) = *Asclepias incarnata* (SWAMP MILKWEED) -- II 314, V 323, VI 287

SILVERROD = *Solidago bicolor*

SILVERWEED = *Potentilla anserina*

Sisymbrium (-like plant) = *Sisymbrium* spp. (HEDGE MUSTARD) -- VI 348

Sisymbrium amphibium = *Rorippa islandica* (MARSH YELLOW CRESS) -- IV 209, V 317, VI 348

Sisymbrium officinale (HEDGE MUSTARD) -- see *Erysimum officinale*, Hedge Mustard

Sisyrinchium spp. (BLUE-EYED GRASS) -- see Blue-eyed Grass

Sium = *Sium suave* (WATER PARSNIP) -- IV 382, V 315, 382, VI 307, 351, 387, 421, 458, VII 13, 26, 38, VIII 72, 413, 420, 441, 443, 460, IX 494, X 18, XI 70, XIII 141, 262, 267, XIII 299

*Sium latifolium*²⁹⁶ = *Sium suave* (WATER PARSNIP) -- II 435, IV 203, IX 65

Sium lineare = *Sium suave* (WATER PARSNIP) -- II 412, IV 244, 295, IX 65, 79

Sium suave (WATER PARSNIP) -- see Parsnip (Water), *Sium*, *Sium latifolium*, *Sium lineare*

Skull-cap = *Scutellaria* spp. (SKULLCAP) -- IV 208, 215, 291, VI 383

Skullcap (Common) = *Scutellaria epilobiifolia* (MARSH SKULLCAP) -- II 424

Skullcap (Larger) = *Scutellaria epilobiifolia* (MARSH SKULLCAP) -- IV 295

Skullcap (Side-flowering) = *Scutellaria lateriflora* (MAD-DOG SKULLCAP) -- II 411, IV 273, 392

Skull-cap (Small) = *Scutellaria lateriflora* (MAD-DOG SKULLCAP) -- IV 358

Skunk-cabbage = *Symplocarpus foetidus* (SKUNK CABBAGE) -- i 58, I 62, II 5, 97, 163, 220, 425, III 87, 245, 359, 400, 405, 423, 437, 472, 486, IV 53, 171, 304, 347, 390, V 13, 40, 55, 66, 72, 74, 84, 96, (98), (105), 191, 244, 329, 330, 419, VI 155, 182, 187, 191, (209), 211, 213, 229, (400), 417, 421, 430, 489, VII 236, 292, 301, 328, (352), VIII 233, 239, 240, 243, 244, (248), 249, 266, 426, IX 302, 303, 304, X 58, 151, 316, XI 82, 119, XII 7, 17, 74, (126), 132, 218, 300, 304, 325, XIII 158, 163, (171), 199, 201, 207, 208, 209, 233, 260, (261), 350, (382),

___ (berry) -- XIV 310; ___ (bud) -- VI 160, VII 105, IX (302), X 150, 151, XII 16, XIII 184; ___ (-dom) -- X 150; ___ (flower) -- XIII 202; ___ (fruit) -- II 493, V 418, VI 407, VIII 415; ___ (leaf) -- IV 53, 294, V 117, 296, 381, VI 236, 267, VII 302, VIII 301, IX 334, XII 214, 257; ___ (leaf-bud) -- XII 126, XIII 217; ___ (pollen) -- XIII 202;

__ (scape) -- VII 273; __ (seed) -- III 65, VIII 122, XIV (310); __ (spathe) -- II 158, V 13, 475, XII 5

SMARTWEED = *Polygonum* spp.

Smilacina = *Smilacina* spp. (FALSE SOLOMON'S-SEAL)/*Maianthemum canadense* (CANADA MAYFLOWER)²⁹⁷ -- V 174, VI 293, XII 304, 383,

__ (berry) -- IX 39, 51, 85, XII 381; __ (leaf) -- V 226; __ (-like) -- VII 434

Smilacina bifolia = *Maianthemum canadense* (CANADA MAYFLOWER) -- V 392, VI 284, X 431, XI 37, 60

Smilacina (Great) = ²⁹⁸ -- IX 494

Smilacina racemosa (FALSE SOLOMON'S-SEAL) -- IV 73, 310, V 211, 223, 330, 392, VI 332, VII 434, VIII 382, IX 441, 494, X 488, XII 290, XIII 370

__ (berry) -- V 424, XII 319; __ (leaf) -- X 84

see also *Convallaria* (Compound-racemed), Solomon's-seal, Solomon's-seal (Clustered), Solomon's-seal (Large), Solomon's-seal (Panicked)

Smilacina stellata (STAR-FLOWERED SOLOMON'S-SEAL) -- IV 76, VIII 382, XI 3,

Smilacina trifolia (THREE-LEAVED SOLOMON'S-SEAL) -- VI 279, VIII 324, 348, XI 46, 61

see also Solomon's seal (Three-leaved)

Smilax = *Smilax rotundifolia* (COMMON GREENBRIER) -- IV 432, VI 301, 302, IX 321, XI 178, XIV 266

__ (berry) -- II 126, 139, 493; __ (cluster) -- IV 354; __ (vine) -- II 417

see also Cat-briar, Green-briar

Smilax glauca (SAWBRIER) -- VII 433

Smilax herbacea (CARRION-FLOWER) -- IV 96, IX 494

see also Carrion (berry), Carrion-flower

Smilax rotundifolia (COMMON GREENBRIER) -- see Smilax, Cat-briar, Green-briar

Snag-tree = *Nyssa sylvatica* (BLACK TUPELO) -- II 350

Snake-corn = *Smilacina racemosa* (FALSE SOLOMON'S-SEAL) -- VII 434, IX 441

Snake-head = *Chelone glabra* (TURTLEHEAD) -- VIII 464

Snake-root = *Aristolochia serpentaria* (VIRGINIA SNAKEROOT) -- II 220

Snake-root (Black) = *Sanicula marilandica* (BLACK SNAKEROOT) -- IV 91

Snake-root (Button) = *Liatris borealis* (NORTHERN BLAZING-STAR) -- IV 349

Snake-root (White) = *Eupatorium rugosum* (WHITE SNAKEROOT) -- IX 65

Snake-tongue = ²⁹⁹ -- III 130

Snapdragon = *Linaria canadensis* (BLUE TOADFLAX) -- II 455, IV 89, 90, 127, 171, IX 115

Snapdragon (Canada) = *Linaria canadensis* (BLUE TOADFLAX) -- II 69, 324, 332, 415, III 62, 80, IV 247, 257, 379, 387, 391, V 214, 473, 481

Snapdragon (Little Blue) = *Linaria canadensis* (BLUE TOADFLAX) -- XI 238

Snapdragon (Small) = *Linaria canadensis* (BLUE TOADFLAX) -- IX 111, XII 204

Snapdragon (Small Blue) = *Linaria canadensis* (BLUE TOADFLAX) -- V 447

Snowberry (Creeping) = *Gaultheria hispidula* (CREEPING SNOWBERRY) -- IV 302, 303

Solanum = *Solanum* spp. (NIGHTSHADE)³⁰⁰ -- VIII 375

see also Nightshade

Solanum americanum (AMERICAN NIGHTSHADE) -- see *Solanum nigrum*

Solanum dulcamara (BITTER NIGHTSHADE) -- IV 89, XII 316

___ (berry) -- XII 354, 388

see also Bittersweet, Nightshade, Solanum

Solanum nigrum (EUROPEAN NIGHTSHADE)³⁰¹ -- VII 440, IX 76, 80, 88, 475, XII 340

see also Nightshade (Black)

Solidago = *Solidago* spp. (GOLDENROD) -- IV 286, 434, V 395, 404, 409, 422, 477, VIII 463, IX 12, 109, 123, 498, X 38, 466, XI 20, XII 305, XIV 50

__ (flower) -- XI 300; __ (oak) -- ²¹⁶ -- XII 6

see also Goldenrod

*Solidago alta*³⁰² = *Solidago rugosa* (ROUGH-STEMMED GOLDENROD) -- V 395

Solidago altissima (TALL GOLDENROD) -- see Goldenrod (Large Three-ribbed), Goldenrod (Three-ribbed), *Solidago canadensis*

Solidago altissima (old usage) = *Solidago rugosa* (ROUGH-STEMMED GOLDENROD)³⁰³ -
- IV 265, 395, V 362, 396, 404, 405, 422, 432, VI 408, 466, 488, VIII 448, IX 12, 52, 87, 89, 106, X 426, XI 100, XII 26, 321

Solidago arguta (SHARP-LEAVED GOLDENROD) = *Solidago muhlenbergii*

Solidago arguta (old usage) = *Solidago juncea* (EARLY GOLDENROD)³⁰³ -- V 344, 362, 396, 432, VI 393, 434, 445, 466, VIII 425, IX 12, 65, 79, 83, X 31, 426, XI 125, XII 33, 321

__ (variety) -- X 36

Solidago bicolor (SILVERROD) -- IV 295, V 396, 397, VI 410, IX 12, 52, 89, 99, 106

see also Goldenrod (White), *Solidago* (White)

Solidago (Blue-stemmed) = *Solidago caesia* (BLUE-STEMMED GOLDENROD) -- V 449

Solidago caesia (BLUE-STEMMED GOLDENROD) -- IV 334, 373, V 396, 397, 449, 477, VIII 450, IX 52, 89, 106, 114, 123, X 38, XI 250, XII 363

see also Goldenrod (Blue-stemmed)

Solidago canadensis (CANADA GOLDENROD)³⁰⁴ -- IV 247, IX 62, 64, 66, 79, XI 171, XII 315, XIV 26

Solidago cutleri (ALPINE GOLDENROD) -- see *Solidago virgaurea*

Solidago flexicaulis (BROAD-LEAVED GOLDENROD) -- see Goldenrod (Broad-leaved),
Solidago latifolia

Solidago gigantea (LATE GOLDENROD) -- V 432, VIII 437, 441, IX 12, 52, 62, 64, 89

see also Goldenrod (Large Three-ribbed), Goldenrod (Three-ribbed), *Solidago serotina*

Solidago graminifolia (LANCE-LEAVED GOLDENROD) -- see Goldenrod (Spear-leaved),
Solidago lanceolata

Solidago juncea (EARLY GOLDENROD) -- see Goldenrod (Early), *Solidago arguta* (old
usage)

Solidago laevigata = *Solidago sempervirens* (SEASIDE GOLDENROD) -- II 354

Solidago lanceolata = *Solidago graminifolia* (LANCE-LEAVED GOLDENROD) -- IV 286, V
337, 396, VI 415, VIII 446, IX 52, 61, 89, XI 7, XIV 26

— (path) -- VIII 446, IX 55

Solidago latifolia = *Solidago flexicaulis* (BROAD-LEAVED GOLDENROD) -- IV 317, V
397, 415, 432, IX 50, 52, 89, 106, 120, X 32, XI 200

Solidago macrophylla (LARGE-LEAVED GOLDENROD) -- see *Solidago thyrsoidea*

Solidago muhlenbergii = *Solidago arguta* (SHARP-LEAVED GOLDENROD) -- IX 69, 79

Solidago neglecta = *Solidago uliginosa* (SWAMP GOLDENROD) -- V 409

Solidago nemoralis (GRAY GOLDENROD) -- IV 267, 369, 377, V 317, 340, 350, 363,
391, 396, 408, 422, 432, 447, 455, 461, 473, 477, 520, VI 396, 434, VIII 446, IX
12, 52, 66, 87, 89, 106, 107, 129, X 48, 93, 107, 147, 149, 201, 306, 390, XII
305, 321, XIII 30, XIV 71

see also Goldenrod (Gray), *Solidago nemorosa*

*Solidago nemorosa*⁸ = *Solidago nemoralis* (GRAY GOLDENROD) -- VII 56

Solidago odora (SWEET GOLDENROD) -- II 220, V 353, 361, 396, 403, VI 408, 434, 446, VIII 466, 467, IX 12, 50, 52, 89, XI 162

see also Goldenrod (Fragrant), *Solidago odorata*

*Solidago odorata*⁸ = *Solidago odora* (SWEET GOLDENROD) -- XI 250

Solidago patula (ROUGH-LEAVED GOLDENROD) -- IX 62

Solidago puberula (DOWNY GOLDENROD) -- IV 286, V 398, 409, 416, 420, 422, VI 408, 434, 466, IX 12, 52, 89, 106, X 30, XI 157, 250, 300, XII 363, XIV 122

Solidago rigida (STIFF GOLDENROD)³⁰⁵ -- X 30, 44

Solidago rugosa (ROUGH-STEMMED GOLDENROD) -- see Goldenrod (Rough), Goldenrod (Tall), Goldenrod (Tall Rough), *Solidago alta*, *Solidago altissima* (old usage)

Solidago sempervirens (SEASIDE GOLDENROD) -- VI 487, VII 434

see also Goldenrod (Seaside), *Solidago laevigata*

Solidago serotina = *Solidago gigantea* var. *leiophylla* (LATE GOLDENROD) -- IV 306, IX 62, 64,

Solidago speciosa (SHOWY GOLDENROD) -- V 419, 422, 433, 477, VII 42, IX 52, 89, 91, 97, 106

__ (-like) -- IX 35

see also *Solidago rigida*

Solidago squarrosa (STOUT GOLDENROD) -- V 432, IX 498

Solidago stricta (WAND-LIKE GOLDENROD)³⁰⁶ -- IV 225, V 317, 340, 341, 363, 396, 398, 406, 409, 420, 422, 477, VI 388, 434, 466, VIII 425, 463, IX 8, 12, 35, 52, 65, 83, 89, 106, X 30, 31, XII 26, XIV 71

__ (-like) -- V 409

Solidago tenuifolia (SLENDER-LEAVED GOLDENROD) -- X 9

Solidago thyrsoides = *Solidago macrophylla* (LARGE-LEAVED GOLDENROD) -- X 457, 463, XI 26, 37, 60, 61, XIV 25, 28, 31, 50

Solidago uliginosa (SWAMP GOLDENROD) -- see *Solidago neglecta*, *Solidago stricta*

Solidago ulmifolia (ELM-LEAVED GOLDENROD)³⁰⁷ -- V 395, 396, 420, 422

Solidago virgata = ³⁰⁸ -- V 420

Solidago virgaurea = *Solidago cutleri* (ALPINE GOLDENROD) -- XI 20, 24, 60, 61

Solidago (White) = *Solidago bicolor* (SILVERROD) -- V 449

Solomon's-seal = *Maianthemum canadense* (CANADA MAYFLOWER)/*Smilacina* spp.
(SOLOMON'S-SEAL)²⁹⁷ -- II 266, 375, 407, IV 50, 95, VI 241, VIII 265, X 154

___ (berry) -- III 476, IV 391, VIII 39

Solomon's-seal (Axil-flowering) = *Polygonatum pubescens* (HAIRY SOLOMON'S-SEAL) -
- IV 246

Solomon's-seal (Clustered) = *Smilacina racemosa* (FALSE SOLOMON'S-SEAL) -- II 440,
IV 71, 73

SOLOMON'S-SEAL (FALSE) = *Smilacina racemosa*

Solomon's-seal (Large) = *Smilacina racemosa* (FALSE SOLOMON'S-SEAL) -- VI 416

___ (berry) -- VII 18

Solomon's-seal (Panicked) = *Smilacina racemosa* (FALSE SOLOMON'S-SEAL) -- IV 365

Solomon's-seal (Small) = *Polygonatum pubescens* (HAIRY SOLOMON'S-SEAL) -- V
163

Solomon's-seal (Small) = *Maianthemum canadense* (CANADA MAYFLOWER) -- II 318,
IV 129

Solomon's-seal (Three-leaved) = *Smilacina trifolia* (THREE-LEAVED SOLOMON'S-
SEAL) -- VIII 369

Solomon's-seal (Two-leaved) = *Maianthemum canadense* (CANADA MAYFLOWER) -- IV
91, V 164, 419, VII 377, VIII (369), IX 391, X 462, 464, XII 189, 290, XIII 280,
XIV 5, 28

___ (berry) -- IV 310, VII 7, XII 302; ___ (pollen) -- VII 391

Sonchus = *Sonchus* spp. (SOW THISTLE) -- VI 419, VIII 422

Sonchus oleraceus (COMMON SOW THISTLE) -- IV 317, V 317, 410

Sopisvine = 309 -- IV 271

Sorghastrum nutans (WOOD GRASS) -- see *Andropogon nutans*, *Sorghum nutans*, Wood Grass

Sorghum nutans = *Sorghastrum nutans* (WOOD GRASS) -- XI 125, 147, XIV 58

Sorghum saccharatum = *Sorghum vulgare* (SORGHUM) -- IX 62

Sorghum vulgare (SORGHUM) -- see *Sorghum saccharatum*

Sorrel = *Oxyria digyna* (MOUNTAIN SORREL) -- XI 18, 60, 61

Sorrel = *Rumex acetosella* (SHEEP SORREL) -- II 271, 306, III 58, 379, 462, IV 68, 73, 102, 115, 257, 437, 477, 485, V 144, 146, 157, 178, 219, 224, 241, VI 269, 289, 330, VII 280, 425, VIII 60, 353, IX 35, 336, 407, X 57, 158, 234, 241, XII 173, 185, 194, 201, XIII 159, 292, 295, 302, 326, 378, 399, 423

___ (cheek) -- V 255; ___ (field) -- V 241, VI 363; ___ (leaf) -- VIII 401; ___ (pollen) -- VII 381

Sorrel (Mountain) = *Oxyria digyna* (MOUNTAIN SORREL) -- XI 30

Sorrel (Violet) = *Oxalis violacea* (VIOLET WOOD SORREL) -- IX 410, XIII 388

Sow-thistle (Common) = *Sonchus oleraceus* (COMMON SOW THISTLE) -- IV 317

Sparganium = *Sparganium* spp. (BUR-REED) -- V 301, 489, VI 406, 449, VII 5, 13, 54, 71, 425, VIII 161, 402, X 130, 367, XI 75, 145, XII 232, 269, 303

___ (blade) -- VIII 20; ___ (seed-bell) -- VI 488

see also Bur-reed

Sparganium americanum (COMMON BUR-REED) ³¹⁰ -- VIII 429

Sparganium eurycarpum (GREAT BUR-REED) -- see Bur-reed (Large), *Sparganium ramosum*

*Sparganium minor*³⁴² = *Sparganium americanum* (COMMON BUR-REED)/*Sparganium chlorocarpum* (GREEN-FRUITED BUR-REED) -- VI 450, VII 13

Sparganium ramosum = *Sparganium eurycarpum* (GREAT BUR-REED) -- IV 163, V 485, VI 377, XI 145

Spartina alterniflora (SALT-WATER CORD-GRASS) -- see *Spartina glabra*

*Spartina cynosuroides*³¹¹ = *Spartina pectinata* (FRESH-WATER CORD-GRASS) -- XI 171, XII 232

Spartina glabra = *Spartina alterniflora* (SALT-WATER CORD-GRASS) -- XI 174

Spartina Grass = *Spartina pectinata* (SALT-WATER CORD-GRASS) -- XIII 400

Spartina juncea = *Spartina patens* (SALT-MEADOW GRASS) -- XI 171

Spartina patens (SALT-MEADOW GRASS) -- see *Spartina juncea*

Spartina pectinata (FRESH-WATER CORD-GRASS) -- see *Spartina cynosuroides*, *Spartina* Grass

Spatter-dock = *Nuphar* spp. (YELLOW POND LILY) -- IV 163, X 410

— (pad) -- XIV 146

Spear-grass (Hair) = *Eragrostis capillaris* (LACE LOVE-GRASS) -- XI 124

Spear-mint = *Mentha spicata* (SPEARMINT) -- IX 4, 5, 71

SPEARWORT (CREEPING) = *Ranunculus reptans*

Specularia = *Specularia perfoliata* (VENUS'S LOOKING-GLASS) -- VI 376

Specularia perfoliata (VENUS'S LOOKING-GLASS) -- IV 143, V 202, 295

see also Bellflower (Clasping), Harebell (Clasping), *Specularia*

Speedwell = *Veronica* spp. (SPEEDWELL) -- IV 62

Speedwell (Marsh) = *Veronica scutellata* (MARSH SPEEDWELL) -- II 415, IV 91, 170, 258, V 229, 357, VII 36

Speedwell (Procumbent) = *Veronica agrestis* (FIELD SPEEDWELL)¹¹⁴ -- IV 62, 397

Speedwell (Purslane) = *Veronica peregrina* (PURSLANE SPEEDWELL) -- VI 266

Speedwell (Smooth) = *Veronica serpyllifolia* (THYME-LEAVED SPEEDWELL) -- IV 62, 74, V 188, 362, 455

Spergula arvensis (CORN SPURREY) -- III 58, IV 237, V 316

see also Corn-spurry, Spurry

Spergularia rubra (SAND SPURREY) -- IV 277, V 199, VI 316, VII 440, VIII 373, 386, 400, XI 176

Sphenopholis intermedia (WEDGEGRASS) -- see *Eatonia pennsylvanica*

SPICEBUSH = *Lindera benzoin*

Spice-wood = *Lindera benzoin* (SPICE-BUSH) -- II 186

Spigelia = *Spigelia marilandica* (INDIAN PINK) -- II 220

SPIKEMOSS = *Selaginella* spp.

Spikenard = *Aralia racemosa* (SPIKENARD) -- IV 286, V 315, 324, 330, IX 498, XII 381, 382

— (berry) -- IV 343, V 355, VI 462, XII 310, 316

Spike-rush = *Eleocharis* spp. (SPIKE-RUSH) -- XIII 186

Spiraea = *Spiraea* spp. (SPIRAEA) -- VI 209, 211, IX 268, 281, 285, XIII 182, 208, 239, 415

Spiraea latifolia (MEADOWSWEET) -- see Meadow-sweet, *Spiraea salicifolia*

Spiraea lobata = *Filipendula rubra* (QUEEN-OF-THE-PRAIRIE) -- II 220

Spiraea salicifolia = *Spiraea latifolia* (MEADOWSWEET) -- IV 138, XI 26, 60

Spiraea tomentosa (HARDHACK) -- IV 199

see also Hardhack

Spiraea ulmaria = *Filipendula ulmaria* (QUEEN-OF-THE-MEADOW) -- II 220

Spiranthes spp. (LADIES'-TRESSES) -- see Ladies'-tresses, Neottia

Spiranthes cernua (NODDING LADIES'-TRESSES) -- IV 319, V 390, VI 463, IX 56, 83, XI 135, XII 305, 320, 325

see also Neottia (Drooping)

Spiranthes gracilis (SOUTHERN SLENDER LADIES'-TRESSES)³¹² -- IV 292, 319, V 343, 385, 390, 391, VI 386, VIII 412, IX 28

see also *Goodyera gracilis*, *Neottia gracilis*, *Spiranthes* (Slender Early)

Spiranthes lacera (NORTHERN SLENDER LADIES'-TRESSES) -- see *Goodyera gracilis*, *Neottia gracilis*, *Spiranthes gracilis*, *Spiranthes* (Slender Early)

Spiranthes latifolia = *Spiranthes lucida* (BROAD-LEAVED LADIES'-TRESSES) -- V 391

Spiranthes lucida (BROAD-LEAVED LADIES'-TRESSES) = *Spiranthes latifolia*

Spiranthes repens -- see *Neottia repens*

Spiranthes (Slender Early) = *Spiranthes gracilis* (SOUTHERN SLENDER LADIES'-TRESSES)/*Spiranthes lacera* (NORTHERN SLENDER LADIES'-TRESSES)² -- XIII 418

Spirea = *Spiraea latifolia* (MEADOWSWEET) -- III 376

Spirodela polyrhiza (WATER-FLAXSEED) -- see *Lemna*, *Lemna polyrhiza*

Spleenwort = *Asplenium* spp. (SPLEENWORT) -- VI 90, 189, VIII 60, IX 388, XII 108

Spleenwort (Dwarf) = *Asplenium trichomanes* (MAIDENHAIR SPLEENWORT) -- V 405

Spleenwort (Ebony) = *Asplenium platyneuron* (EBONY SPLEENWORT) -- V 366, 405, VI 310, 347

SPLEENWORT (MAIDENHAIR) = *Asplenium trichomanes*

SPLEENWORT (SILVERY) = *Athyrium thelypteroides*

Spoonhunt = *Kalmia latifolia* (MOUNTAIN LAUREL) -- I 435

Sporobolus Grass = *Muhlenbergia uniflora* (FALL DROPSEED) -- XIV 100

Sporobolus serotinus = *Muhlenbergia uniflora* (FALL DROPSEED) -- XIV 76

Sporobolus vaginiflorus (SHEATHED RUSH-GRASS) -- see *Vilfa vaginaeflora*

Spruce = *Picea* spp. (SPRUCE)³¹³ -- i 354, I 308, 449, II 188, 200, 216, 298, III 33, 123, 125, 138, 229, 231, IV 345, 441, V 185, 209, 477, 478, 502, VI 22, 54, 210, 303, 468, VII 414, 476, VIII 340, 344, IX 322, 378, 491, X 13, 24, 81, 183, 196, 201, 271, 274, 279, 281, 455, 456, 461, 462, 464, 468, 470, 476, 477, 493, 502, XI 10, 14, 15, 18, 26, 27, 30, 31, 32, 34, 37, 38, 44, 45, 46, 48, 49, 51, 57, 59, 60, 61, 62, 84, 148, 241, XII 394, 444, XIV 10, 11, 13, 16, 17, 24, 29, 30, 31, 35, 38, 41, 134, 263, 266

__ (bark) -- V 428, XI 57; __ (bed) -- X 460; __ (bough) -- X 455, 470; __ (cone) -- IX 394, X 192; __ (gum) -- XI 33; __ (hut) -- XIV 344; __ (leaf) -- XII 388; __ (leaf-bud) -- V 185; __ (limb) -- XIV 10; __ (log) -- V 207; __ (needle) -- VI 51; __ (plank) -- XIV 265; __ (roof) -- X 461; __ (root) -- V 431, IX 492; __ (swamp) -- III 33, 138, 154, IV 441, 484, V 480, VI 22, VII 9, VIII 41, IX 161, X 24, 32, 38, 129; __ (timber) -- XIV 18; __ (top) -- IX 494; __ (tree) -- II 187, III 97, 138, 445, V 186, VI 22, 141, X 274, 408, 455, 459, 468, 492, XI 36, 49, XIV 16; __ (twig) -- VIII 111, X 455, XIV 31; __ (wood) -- X 184, XI 27; __ (zone) -- XI 61

Spruce (Black) = *Picea mariana* (BLACK SPRUCE)/*Picea rubens* (RED SPRUCE)³¹³ -- II 106, 199, 216, 217, 218, III 33, V 160, 186, VI 22, 54, 227, 296, 301, 302, VII 64, 403, 415, VIII 352, IX 375, 378, 390, 494, X 456, 458, 463, XI 38, 59, XIII 320, 335, XIV 10, 25, 28, 29, 31, 44, 265

__ (cone) -- IV (81); __ (tree) -- VI 22, X 455, 468; __ (wood-lot) -- VIII 353

Spruce (Double) = *Picea mariana* (BLACK SPRUCE)/*Picea rubens* (RED SPRUCE)³¹³ -- i 320, I 271

Spruce (Hemlock) = *Tsuga canadensis* (EASTERN HEMLOCK) -- II 153, 199

Spruce (Norway) = *Picea abies* (NORWAY SPRUCE) -- II 364

__ (fir) -- X 185

SPRUCE (RED) = *Picea rubens*

Spruce (Single) = ³¹⁴ -- III 123

Spruce (White) = *Picea glauca* (WHITE SPRUCE)³¹⁵ -- II 199, IV 281, V 160, 186, VI 22, 51, 54, 261, 265, 274, 283, (296), 301, VII 414, IX 198, 378, 394, 414, 494, X (24), XI 38

__ (bark) -- V 430; __ (cone) -- IV 81, VII 415, IX 378; __ (pollen) -- VII 389; __ (shoot) -- IV 210; __ (swamp) -- VII 365, 389; __ (tree) -- VI 24

Spurge (Common) = *Euphorbia supina* (MILK PURSLANE) -- VIII 444

Spurge (Sea-side) = *Euphorbia polygonifolia* (SEASIDE SPURGE) -- VII 436

Spurge (Spotted) = *Euphorbia supina* (MILK PURSLANE) -- II 451

Spurry = *Spergula arvensis* (CORN SPURREY) -- VI 378, VIII 410

__ (seed) -- VI 228

Squaw-weed = *Senecio aureus* (GOLDEN RAGWORT) -- IV 40

SQUIRREL-CORN = *Dicentra canadensis*

Stachys = *Stachys tenuifolia* (COMMON HEDGE NETTLE) -- XI 70

Stachys aspera = *Stachys tenuifolia* (COMMON HEDGE NETTLE) -- II 424, IV 229, VI 384, VIII 404, XII 238

Stachys palustris (MARSH HEDGE NETTLE) -- see Hedge Nettle

Stachys tenuifolia (COMMON HEDGE NETTLE) -- see Hedge Nettle, *Stachys*, *Stachys aspera*

Staphylea = *Staphylea trifolia* (BLADDERNUT) -- X 9

Star-cucumber (One-seeded) = *Sicyos angulatus* (ONE-SEEDED BUR CUCUMBER) -- IV 322

Star-flower = *Trientalis borealis* (STARFLOWER) -- V 164

Star-grass = *Aletris farinosa* (COLICROOT) -- VIII 387

Statice limonium = *Limonium nashii* (SEA LAVENDER) -- VII 438

Stellaria = *Stellaria* spp. (CHICKWEED, STITCHWORT)³¹⁶ -- IV 303, V 47, VII 307, VIII 242, 351, 353

Stellaria borealis = *Stellaria calycantha* (NORTHERN STITCHWORT) -- VIII 336, 351, 353, 369, X 431, XIII 317

Stellaria calycantha (NORTHERN STITCHWORT) -- see *Stellaria borealis*

Stellaria graminea (LESSER STITCHWORT) -- see *Stellaria longifolia*

Stellaria longifolia (LONG-LEAVED STITCHWORT)³¹⁷ -- IV 115, V 194, VI 313, 323, 330, VIII 336, 369, 430, XII 199

Stellaria longipes (LONG-STALKED STITCHWORT)³¹⁸ -- VIII 351

Stellaria media (COMMON CHICKWEED) -- III 469, 475, IV 159, 257, 286, 405, 415, 487, 490, V 32, 367, 489, VI 258, VIII 287, XIII 208

see also Chickweed, Chickweed (Early), *Stellaria*

STICKSEED (VIRGINIA) = *Hackelia virginiana*

STICK-TIGHT = *Bidens frondosa*

Sticta = a lichen

Stipa spartea (PORCUPINE GRASS) -- see Porcupine Grass

Stitchwort = *Stellaria* spp. (STITCHWORT) -- IV 115, 303

St. John's-wort = *Hypericum* spp. (ST. JOHN'S-WORT) -- II 278, 309, 318, 411, 432, III 364, IV 114, 215, VII 107, IX 155

St. John's-wort (Canadian) = *Hypericum canadense* (CANADA ST. JOHN'S-WORT) -- II 389

St. John's-wort (Common) = *Hypericum perforatum* (COMMON ST. JOHN'S-WORT) -- IV 272

St. John's-wort (Marsh) = *Hypericum virginicum* (MARSH ST. JOHN'S-WORT) -- IV 240

St. John's-wort (Small) = *Hypericum mutilum* (DWARF ST. JOHN'S-WORT)/*Hypericum boreale* (NORTHERN ST. JOHN'S-WORT)² -- VII 451

St. John's-wort (Spotted) = *Hypericum punctatum* (SPOTTED ST. JOHN'S-WORT) -- IV 279

Stone-crop = *Penthorum sedoides* (DITCH STONECROP) -- V 325, IX 25

___ (fruit) -- VII 47

Stonecrop (Ditch) = *Penthorum sedoides* (DITCH STONECROP) -- IV 243, 255

Stramonium = *Datura stramonium* (JIMSONWEED) -- IX 3, 69

Strawberry = *Fragaria virginiana* (WILD STRAWBERRY) -- i 301, I 249, 424, II 30, 233, 281, III 98, IV 42, 54, 84, 104, 119, 121, 129, 135, 158, 236, 485, V 154, 185, 220, 231, 236, 256, 282, 294, 302, 415, 450, 451, VI 90, 209, 242, 316, 336, 342, 347, 364, 366, 372, 449, VII 132, 359, 386, 423, VIII 60, 337, 375, 392, IX 57, 362, 385, 478, 500, X 57, 293, 386, 492, XI 6, XII 132, 198, 202, 350, XIII 261, 326, 339, 351, XIV 265. 274

___ (blossom) -- IV 31; ___ (flower) -- XII 167; ___ (meadow) -- VI 388; ___ (plant) -- VI 364; ___ (vine) -- X 25, XII 203; ___ (-ing) -- IV 95

Strawberry (Common) = *Fragaria virginiana* (WILD STRAWBERRY)

___ (leaf) -- XII 26

Streptopus spp. (TWISTED STALK) -- see *Convallaria*, *Convallaria* (Large), *Smilacina* (Great)

Streptopus amplexifolius (TWISTED STALK) -- see *Uvularia grandiflora*

Strophostyles helvola (TRAILING WILD BEAN) -- see *Phaseolus diversifolius*

Struthiopteris germanica = *Pteretis pensylvanica* (OSTRICH FERN) -- V 405

Suaeda maritima (LOW SEA BLITE) -- see *Chenopodium maritimum*

Succory = *Cichorium intybus* (CHICORY) -- II 294, 446, IV 44, 225, 364, V 308, 473, VIII 404, IX 97, 113

Sugar-pear (Swamp) = *Amelanchier* spp. (SHADBUSH) -- IV 48

Sumach = *Rhus* spp. (SUMAC) -- I 380, II 67, 85, 138, 201, III 13, 16, 35, IV 76, V 160, 434, VI 264, VII 55, 64, 236, VIII 102, 132, 153, 215, IX 99, 107, 192, X 50, XI 119, 139, 297, XII 322, XIII 32, 158, 336, 415, XIV 262

___ (berry) -- IV 272, 295, V 9, 83, VIII 166, XII 350, 380, 382, XIII 31; ___ (bush) -- VI 68, XII 348; ___ (leaf) -- III 16, IV 273; ___ (meadow) -- VII 210; ___ (sprout) -- VIII 213, 264

Sumach (Dwarf) = *Rhus copallina* (SHINING SUMAC) -- II 425, V 400, VI 288

Sumach (Mountain) = *Rhus copallina* (SHINING SUMAC) -- II 425, IV 303, (362), VI 302, 319, 414, 444, VII 393, VIII 215, IX 97, 268, 270, XII 325, 386

___ (berry) -- VIII 296

Sumach (Poison) = *Rhus vernix* (POISON SUMAC) -- II 217, 277, 306, 311, 434, III 6, 239, V 443, VII (55), VIII 215, X 257

___ (berry) -- VI 485

Sumach (Smooth) = *Rhus glabra* (SMOOTH SUMAC) -- II 375, III 65, IV 229, 320, 357, 362, V 310, 317, 419, 435, 449, VI 378, 393, VII 62, 99, 236, VIII 102, 215, (296), 408, 436, IX 57, 289, 484, X 64, 67, XI 201, 206, 386, 387, XII 310, (325), XIII 382, 415, XIV 64

___ (berry) -- IV 251, V 324, 352, VI 406, VIII 296, XI 119, XIII 31, XIV 90; ___ (leaf) -- V 400, XI 139; ___ (twig) -- X 270

Sumach (Staghorn) = *Rhus typhina* (STAGHORN SUMAC) -- II 349, 354, 425, VI 400, VIII 392, X 99, XI 198, 238, 259, (386), XIII 294

___ (berry) -- XII 316; ___ (fruit) -- VI 487

Sumach (Velvet) = *Rhus typhina* (STAGHORN SUMAC) -- II 349

Sundew = *Drosera* spp. (SUNDEW) -- VI 381, IX 291, XIII 384

Sundew (Oblong-leaved) = *Drosera intermedia* (SPATULATE-LEAVED SUNDEW) -- IV 95

Sundew (Round-leaved) = *Drosera rotundifolia* (ROUND-LEAVED SUNDEW) -- IV 247, V 348

Sundew (Spatular) = *Drosera intermedia* (SPATULATE-LEAVED SUNDEW) -- VI 452, 468

SUNDROPS (SMALL) = *Oenothera perennis*

Sunflower = *Helianthus* spp. (SUNFLOWER) -- i 481, I 457, II 70, 441, 442, 458, 467, 493, IV 297, V 355, 363, 395, 417, VI 415, 417, IX 54

__ (head) -- XIV 228; __ (house) -- VI 404; __ (-like blossom) -- II 467; __ (seed) -- XI 374, XII 446

Sunflower (Common) = *Helianthus annuus* (COMMON SUNFLOWER) -- IV 271

Sunflower (Great) = *Helianthus annuus* (COMMON SUNFLOWER)

__ (disk) -- II 388

Sunflower (Rough) = *Helianthus divaricatus* (WOODLAND SUNFLOWER) -- VIII 461, 466

__ (field) -- VI 405

Sunflower (Small) = *Helianthus divaricatus* (WOODLAND SUNFLOWER) -- V 371

Sunflower (Small Rough) = *Helianthus divaricatus* (WOODLAND SUNFLOWER) -- II 407, III 4, IV 271, V 340, 363, 366, VI 414, VII 447, VIII 432, IX 463, XI 93

Swamp-pink = *Rhododendron viscosum* (SWAMP AZALEA) -- i 433, II 60, 124, 273, 318, IV 120, 135, 164, 230, 258, 268, 419, V 5, 160, 208, 248, 249, 273, 283, 297, 301, 330, 461, 482, VI 88, 127, 264, 279, 281, 350, 360, VII 111, 413, VIII 41, 383, IX 9, X 71, 183, 196, 258, 266, 283, 501, XII 202, 439

__ (bud) -- III 66, IV 413, VIII 10, X 171, (274); __ (bush) -- IV 126; __ (leaf) -- VII 390

Swamp-pink (White) = *Rhododendron viscosum* (SWAMP AZALEA) -- VI 300

SWEETBELLS (SWAMP) = *Leucothoe racemosa*

Sweet-briar = *Rosa eglanteria* (SWEET-BRIER) -- II 73, 105, 256, III 473, IV 26, 53, 57, 132, 174, 232, 258, 431, V 125, 154, 258, 273, 319, 324, 417, VI 260, 300, 348, VII 8, 366, VIII 401, IX 63, 388, XI 259, 301, 309, XII 382, XIII 260

__ (bud) -- IV 138; __ (bush) -- V 289; __ (hip) -- V 481, 483, VI (132), VII 59, XII 381, XIV 232

Sweet-briar (English) = *Rosa eglanteria* (SWEET-BRIER)³¹⁹ -- XI (309)

Sweet-fern = *Comptonia peregrina* (SWEET-FERN) -- i 129, 433, I 141, II 124, 260, 299, 305, III 67, 334, IV 21, 48, 49, 166, 187, 308, 352, 477, V 73, 237, 365, VI 23, 116, 221, 225, 231, 232, 236, 243, 298, 444, 479, VII 84, 236, 353, 354, 370, IX 128, 347, 361, X 220, XI 119, 139, 187, 208, 239, 300, 301, 307, 309, 320, 329, 331, 336, 344, 347, 412, XII 114, 133, 191, XIII 30, 90, 203, 231, 260, 313, 319, XIV 128, 162, 177, 191, 258, 262

__ (bloom) -- IX 369; __ (bush) -- IV 135; __ (fruit) -- XIII 44; __ (leaf) -- V 140; __ (patch) -- XIV 100; __ (shoot) -- VIII 376; __ (stem) -- XII 40; __ (twig) -- X 221, 248, XII 396

Sweet-gale = *Myrica gale* (SWEET GALE) -- II 124, 126, 406, 466, III 332, 397, 430, 482, 487, IV 16, 49, 62, V 7, 16, 38, 108, 116, 125, VI 86, 88, 111, 119, 153, 206, 213, 224, 230, 239, 242, 243, 256, 299, VII 83, 142, 321, 329, 371, VIII 253, 308, 411, 443, IX 334, 348, 351, 361, 494, X 60, 215, XI 241, XII 133, 301, XIII 51, 68, 76, 238, 245, 384

__ (brush) -- XII 17; __ (fruit) -- II 316, XIV 92; __ (maze) -- XII 17; __ (meadow) -- XIII 66; __ (seed) -- VII 158, 304

Sweet-gum = *Liquidambar styraciflua* (SWEET GUM)

__ (tree) -- IX 136

SWITCH GRASS = *Panicum virgatum*

Sycamore = *Platanus occidentalis* (AMERICAN SYCAMORE) -- i 122, I 133, III 206

Symphytum officinale (COMMON COMFREY)³²⁰ -- IV 302, V 353

Symplocarpus foetidus (SKUNK CABBAGE) -- III 474

see also *Ictodes foetidus*, Skunk-cabbage

Syringa persica (PERISAN LILAC) -- see Lilac (Persian)

Syringa vulgaris (COMMON LILAC) -- see Lilac

Tanacetum vulgare (TANSY) -- IV 194

see also Tansy

Tansy = *Tanacetum vulgare* (TANSY) -- II 264, 311, 382, 415, 424, 432, III 32, 188, IV 194, 246, 267, 379, 391, 411, 412, 413, 414, 426, 427, 437, V 311, 348, 447, 464, 481, 497, 500, 510, VI 236, 387, 427, 428, VII 185, VIII 28, IX 113, 114, 240, XII 305, XIII 10

___ (stem) -- III 188

Tape-grass = *Vallisneria americana* (TAPE-GRASS) -- V 300

Taraxacum dens-leonis = *Taraxacum officinale* (COMMON DANDELION) -- III 475

Taraxacum erythrospermum (RED-SEEDED DANDELION) -- see Dandelion

Taraxacum officinale (COMMON DANDELION) -- see Dandelion, Dandelion (Common), Dandelion (Spring), *Taraxacum dens-leonis*

Tares = *Spergula arvensis* (CORN SPURRY) -- III 58

Target = *Brasenia schreberi* (WATER SHIELD)

___ (leaf) -- VII 417, XI 145, 160

Target-weed = *Brasenia schreberi* (WATER SHIELD) -- X 483, XI 11, 160, 161, 346, 362, 364

Tatula (i.e., *Datura tatula*) = *Datura stramonium* (JIMSONWEED) -- II 343

Taxus = *Taxus canadensis* (AMERICAN YEW) -- X 306

Taxus canadensis (AMERICAN YEW) -- IV 302, IX 79

see also Hemlock (Ground), Taxus, Yew, Yew (American)

Tear-thumb (Hastate) = *Polygonum arifolium* (HALBERD-LEAVED TEARTHUMB) -- IX 458

Teasel = *Dipsacus* spp. (TEASEL) -- IX 84, XIV 251

___ (raiser) -- XIV 251; ___ (seed) -- IX 84

Tea-tree ³²¹ -- V 338

Tephrosia = *Tephrosia virginiana* (GOAT'S RUE) -- II 286, 301, IVV 279, 304, VI 364, 366, IX 475, 481, XII 225

Tephrosia virginiana (GOAT'S RUE) -- II 282

see also Tephrosia

Teucrium = *Teucrium canadense* (AMERICAN GERMANDER)/*Teucrium occidentale* (HAIRY GERMANDER)² -- VII 480

Thalictrum = *Thalictrum* spp. (MEADOW RUE)/*Anemonella thalictroides* (RUE ANEMONE)²⁹⁷ -- II 320, III 76, VI 367, XII 125, 133

see also Meadow-rue, Rue

Thalictrum anemonoides = *Anemonella thalictroides* (RUE ANEMONE) -- IV 21, 49, 81, V 116, VI 236, 256, VII 345, VIII 321, XIII 261, 278

Thalictrum cornuti = *Thalictrum polygamum* (TALL MEADOW RUE) -- IV 84, 90, VIII 358, IX 491, XI 104, 108

___ (leaf) -- VIII 357

Thalictrum dioicum (EARLY MEADOW RUE) -- IV 73, VI 449, VIII 357, 358, X 25, 421

see also Thalictrum (Early)

Thalictrum (Early) = *Thalictrum dioicum* (EARLY MEADOW RUE) -- IV 72

Thalictrum (Late) = *Thalictrum polygamum* (TALL MEADOW RUE) -- VIII 383

Thalictrum (Meadow) = *Thalictrum polygamum* (TALL MEADOW RUE) -- IV 116

Thalictrum polygamum (TALL MEADOW RUE) -- see Meadow-rue, Rue, Rue (Common), Rue (Late), Rue (Tall), *Thalictrum cornuti*, Thalictrum (Late), Thalictrum (Meadow)

Thaspium aureum = *Zizia aurea* (GOLDEN ALEXANDERS) -- XI 5, XII 186, 216

Thaspium trifoliatum (MEADOW PARSNIP) -- X 443

Thesium = *Comandra umbellata* (BASTARD TOADFLAX) -- II 278, V 196, 318

Thesium umbellatum = *Comandra umbellata* (BASTARD TOADFLAX) -- II 266

Thesium (Umbelled) = *Comandra umbellata* (BASTARD TOADFLAX) -- IV 79, 80, XII 199

Thimbleberry = *Rubus occidentalis* (BLACK RASPBERRY) -- I 424, II 282, 324, III 472, 473, 485, IV 26, 115, 183, V 127, 198, 310, VI 209, 216, 217, 232, 298, 308, 334, 381, 390, 403, VII 329, 330, 357, VIII 409, 416, 421, IX 108, X 185, 365, XI 308, XII 162, 226, 322, XIII 260, XIV 262

___ (blossom) -- VII 408; ___ (bush) -- IX 146; ___ (shoot) -- X 160; ___ (stem) -- IX 146; ___ (vine) -- VII 236, X 205

Thimbleberry (Black) = *Rubus occidentalis* (BLACK RASPBERRY) -- II 312

THIMBLEWEED = *Anemone virginiana*

Thin Grass = *Agrostis perennans* (UPLAND BENT GRASS) -- XI 146

Thistle = *Cirsium* spp. (THISTLE) -- i 138, 273, 470, I 148, 222, II 65, III 435, 436, 442, IV 131, 310, 332, 477, V 25, 56, 97, 336, 377, VI 117, 160, 211, 387, 440, VIII 60, IX 24, 31, 102, 266, XI 333, 335, XII 304, 309, 316, 317, XIII 164, 196, XIV 50, 73, 174

___ (blossom) -- IV 286; ___ (down) -- i 456, IV 336, 342, V (372), 381, VI 416, VII 14, IX 31, X 293, XI 88, 89, 114, 185, 186, 246, 333, XIII 158, XIV 50, 63, 64; ___ (-head) -- VI 267, XIV 174; ___ (leaf) -- IV 485, V 477; ___ (-like) -- IV 173, XIV 170; ___ (seed) -- VIII 458, XI 185; ___ (tribe) -- XI 333

Thistle (Canada) = *Cirsium arvense* (CANADA THISTLE) -- II 318, 345, 412, IV 131, 193, 349, V 311, 363, VI 378, 440, XII 238, XIII 413

___ (down) -- XI 103

Thistle (Common Yellow) = *Cirsium horridulum* (YELLOW THISTLE) -- VIII 385

Thistle (Discolor) = *Cirsium discolor* (FIELD THISTLE) -- XI 173

Thistle (Fuller's) = *Dipsacus fullonum* (FULLER'S TEASEL) -- XIV 251

Thistle (Great Yellow) = *Cirsium horridulum* (YELLOW THISTLE) -- VI 367

Thistle (Lanceolate) = *Cirsium vulgare* (BULL THISTLE) -- VI 433, XII (316), XIV 76

Thistle (Large) = *Cirsium muticum* (SWAMP THISTLE) -- VII 37

Thistle (Pasture) = *Cirsium pumilum* (PASTURE THISTLE) -- II 389, III 57, 360, 442, IV 248, 286, 362, 396, V 317, VI 400, 437, VII 433, 526, VIII 422, 443, IX 112, XII 304, (316)

___ (bud) -- IX 126; ___ (down) -- IX 10, XI 185; ___ (top) -- IX 102

Thistle (Scotch) = *Onopordum acanthium* (COTTON THISTLE, SCOTCH THISTLE) -- i 138, I 148

Thistle (Spear) = *Cirsium vulgare* (BULL THISTLE) -- IV 247, V 323

___ (top) -- IX 24

Thistle (Spear-leaved) = *Cirsium vulgare* (BULL THISTLE) -- VI 408

Thistle (Swamp) = *Cirsium muticum* (SWAMP THISTLE) -- IX 495, XI 172, XII 315, (316)

Thistle (Yellow) = *Cirsium horridulum* (YELLOW THISTLE) -- VI 414, 473, VII 131

Thorn = *Crataegus* spp. (HAWTHORN) -- IV 115, 368, V 126, 151, 160, 163, 177, 189, 221, 224, 417, VI 252, 255, 282, 283, VII 111, 354, VIII 392, IX 129, 383, 396, 397, 407, 408, X 22, 213, XI 243, 294, XII 18, 291, 351, XIII 158, XIV 262

___ (apple) -- VII 35, XII 381, 382; ___ (berry) -- IV 319, VI 455; ___ (bush) -- IV 102, V 107, 130, 179, IX 135, 201, X 214, XI 212, 294, XII 194, 303, XIV 91; ___ (fruit) -- XII 376; ___ (pollen) -- VII 385; ___ (tree) -- IV 362

Thorn (Cockspur) = *Crataegus crus-galli* (COCKSPUR THORN)/*Crataegus succulenta* var. *macracantha* (LONG-SPINED THORN) 2 -- V (178), 219, VI 299, 319, VII 249, 366, VIII (392)

Thorn (Common) = *Crataegus* spp. (HAWTHORN)⁹⁸ -- IX (90)

Thorn (Early) = *Crataegus* spp. (HAWTHORN) -- VI 280, 299

Thorn (Later) = *Crataegus* spp. (HAWTHORN) -- VI 286, 299

Thorn (Scarlet) = *Crataegus* spp. (HAWTHORN)⁹⁸ -- IV 307, 310, V 221, 419, XII 324
___ (berry) -- V 388; ___ (leaf) -- V 344

Thorn (Scarlet-fruited) = *Crataegus* spp. (HAWTHORN)⁹⁸ -- II 216, V 177

Thorn (White) = *Crataegus* spp. (HAWTHORN) -- IV 74, V 451, VI 449, VII 412, XIII 303

Thorn-apple = *Datura stramonium* (JIMSONWEED) -- II 219

Thoroughwort = *Eupatorium* spp. (THOROUGHWORT) -- i 116, I 127, II 375, 415 , IV 230, V 318, 339, 399, 406, VI 393, VIII 435, IX 8, 209, XI 245

Thuja occidentalis (EASTERN ARBOR-VITAE) -- II 200, VI 208

see also Arbor-vitae, Cedar

Thuja orientalis (ORIENTAL ARBOR-VITAE) = Arbor-vitae (Chinese)

Thyme (Wild) = *Thymus serpyllum* (WILD THYME) -- IX 175

Thymus serpyllum (WILD THYME) -- see Thyme (Wild)

Tiarella = *Tiarella cordifolia* (FOAMFLOWER, FALSE MITREWORT) -- VIII 381

Tiarella cordifolia (FOAMFLOWER, FALSE MITREWORT) -- IX 65, 79, X 453

see also Tiarella

Tickle Grass = *Agrostis scabra* (FLY-AWAY GRASS) -- XI 150

Tick-trefoil = *Desmodium* spp. (TICK-TREFOIL) -- II 490, IV 374

Tick-trefoil (Naked-flowered) = *Desmodium nudiflorum* (NAKED-FLOWERED TICK-TREFOIL) -- V 350

Tick-trefoil (Pointed-leaved) = *Desmodium glutinosum* (POINTED-LEAVED TICK-TREFOIL) -- IV 229

Tillandsia = *Tillandsia usneoides* (SPANISH MOSS) -- VI 450

Tilia spp. (LINDEN) -- see Linden

Tilia americana (AMERICAN BASSWOOD) -- see Bass, Basswood, Linden (American)

Tilia europaea (EUROPEAN LINDEN) -- see Linden (European)

Toad-flax = *Linaria vulgaris* (BUTTER-AND-EGGS) -- IV 142

TOADFLAX (BASTARD) = *Comandra umbellata*

TOADFLAX (BLUE) = *Linaria canadensis*

Tobacco = *Nicotiana tabacum* (TOBACCO) -- II 221, XII 340, 341

___ (flower) -- VII 8; ___ (plant) -- XII 341

Tobacco-pipe = *Monotropa uniflora* (INDIAN PIPE) -- II 340, 433, IV 102, 353, V 343, 347, 348, VI 381, 414, VIII 425, IX 29, X 38, 69, 205, XI 66, 90, XII 308

Tomato = *Lycopersicon esculentum* (TOMATO)

___ (plant) -- XIV 69

TOOTH-CUP = *Rotala ramosior*

TOOTHWORT = *Dentaria diphylla*

Touch-me-not = *Impatiens capensis* (SPOTTED TOUCH-ME-NOT) -- II 389, 415, 434, IV 196, 381, VI 359, 383, XIII 398

___ (leaf) -- IV 219; ___ (seed-vessel) -- IV 365

Tovara virginiana (VIRGINIA KNOTWEED) -- see *Polygonum virginianum*

Tower-mustard = *Arabis drummondi* (DRUMMOND'S ROCK CRESS) -- VII 293, IX 283, XI 155, XII 132

Tower-mustard (Straight) = *Arabis drummondi* (DRUMMOND'S ROCK CRESS) -- V 192

Tree-cranberry = *Viburnum trilobum* (CRANBERRY VIBURNUM)³²² -- IX 489, 493, X 454, XI 31, 60

Tree Fern = *Cyatheaceae* (TREE FERN FAMILY) -- II 247

Tree Fern = *Lygodium palmatum* (CLIMBING FERN) -- IV 364

Tree-of-Heaven = *Ailanthus altissima* (TREE-OF-HEAVEN) -- VII 75, 465

Tree-Primrose = *Oenothera biennis* (COMMON EVENING PRIMROSE)/*Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE)² -- II 69, 273, 277, 309, 446, 482, IV 356

Tree-Primrose (Dwarf) = *Oenothera perennis* (SMALL SUNDROPS) -- II 278, 424, 482, III 6, IV 92, 381

Trefoil (Field) = *Trifolium arvense* (RABBIT-FOOT CLOVER) -- II 337, IV 379

Tremble = *Populus tremuloides* (QUAKING ASPEN) -- V 138, 160, VI 255, 299, VII 357

Tremble (Early) = *Populus tremuloides* (QUAKING ASPEN) -- VI 259

Trichophorum = *Scirpus* spp. (WOOL-GRASS)³²³ -- VI 446, VIII 423

Trichostema = *Trichostema dichotomum* (BLUE CURLS) -- II 60, III 58, V 314, VIII 435, 445

Trichostema dichotomum (BLUE CURLS) -- II 94, 123, 383, 392, IV 272

see also Blue-curls, *Trichostema*

Trientalis = *Trientalis borealis* (STARFLOWER) -- IV 70, 71, 265, V 164, 235, 336, VI 284, 397, VII 391, X 431, XI 23, 31, 60, 61, XII 304, XIII 300, XIV 26

___ (fruit) -- XII 380

Trientalis americana = *Trientalis borealis* (STARFLOWER) -- II 266

Trientalis borealis (STARFLOWER) -- see *Trientalis*, *Trientalis americana*

Trifolium agrarium (HOP CLOVER) -- XIII 428

see also Clover (Yellow)

Trifolium arvense (RABBIT-FOOT CLOVER) -- II 337, IV 165, V 291, 447, VI 377, X 35

see also Clover (Pussy), Clover (Rabbit's), Clover (Rabbit's-foot), Trefoil (Field)

Trifolium pratense (RED CLOVER) -- VIII 356

see also Clover (Red)

Trifolium procumbens (LOW HOP CLOVER) -- IV 70, 257, XI 172

Trifolium repens (WHITE CLOVER) -- VIII 311

see also Clover (White)

Triglochin maritimum (SEASIDE ARROW GRASS) -- see *Triglochin palustris*

Triglochin palustris (MARSH ARROW GRASS)³²⁴ -- XI 176

Trillium = *Trillium cernuum* (NODDING TRILLIUM) -- II 440, IV 53, 71, 246, 304, 307, V 161, 330, VI 269, XII 304

___ (berry) -- IV 304, 310, VI 428, 462; ___ (fruit) -- V 366, IX 33; ___ (pollen) -- VII 391

Trillium cernuum (NODDING TRILLIUM) -- IV 71, X 431

see also Trillium, Trillium (Nodding)

Trillium erectum (RED TRILLIUM) -- IX 80

Trillium erythrocarpum = *Trillium undulatum* (PAINTED TRILLIUM) -- IV 347, 360, X 454

Trillium (Nodding) = *Trillium cernuum* (NODDING TRILLIUM) -- II 201, IV 58, 73, V 138, 164, 191

Trillium (Painted) = *Trillium undulatum* (PAINTED TRILLIUM) -- IV 347

Trillium pictum = *Trillium undulatum* (PAINTED TRILLIUM) -- X 480

Trillium undulatum (PAINTED TRILLIUM) -- see *Trillium erythrocarpum*, *Trillium pictum*

Triosteum = *Triosteum aurantiacum* (ORANGE-FRUITED HORSE GENTIAN) -- IV 334, V 217, IX 410, X 492

Triosteum aurantiacum (ORANGE-FRUITED HORSE GENTIAN) -- see Fever-root, Feverwort, *Triosteum*

*Triosteum perfoliatum*³²⁵ = *Triosteum aurantiacum* (ORANGE-FRUITED HORSE GENTIAN) -- II 261

Trisetum palustre = *Trisetum pensylvanicum* (SWAMP OATS) -- XII 208, XIII 352

Trisetum pensylvanicum (SWAMP OATS) -- see *Trisetum palustre*

Triticum repens = *Agropyron repens* (QUACK GRASS)/*Agropyron trachycaulum* (SLENDER WHEAT GRASS)² -- XI 145

Tropaeolum = *Tropaeolum* spp. (NASTURTIUM) -- III 346

Trumpet-flower = *Eupatorium dubium* (EASTERN JOE-PYE-WEED) -- IV 284

Trumpet-weed = *Eupatorium dubium* (EASTERN JOE-PYE-WEED)/*Eupatorium fistulosum* (TRUMPETWEED)² -- IV 291, 295, 326, 393, 437, V 381, 388, 403, 406, IX 476, X 68, XIII 372

Tsuga canadensis (EASTERN HEMLOCK) -- see *Abies canadensis*, Hemlock, Spruce (Hemlock)

Tule = *Scirpus validus* (GREAT BULRUSH)/*Scirpus acutus* (HARD-STEM BULRUSH)² -- XI 73

Tulip = *Tulipa* spp. (TULIP) -- XIII 199

Tulip = *Liriodendron tulipifera* (TULIP-TREE) -- IX 136, 139

Tulip-tree = *Liriodendron tulipifera* (TULIP-TREE) -- II 232, 361

TUMBLEWEED = *Amaranthus albus* or *Amaranthus graecizans*

Tupelo = *Nyssa sylvatica* (BLACK TUPELO) -- II 490, III 43, IV 305, 361, V 149, 160, 223, 455, VI 253, 275, 301, VII 14, 56, 61, 134, 389, 432, VIII 392, 395, IX 460, X 9, 27, 40, 41, 94, 238, 282, XI 201, 215, 220, 229, 232, 443, XII 319, 382, 383, XIII 158, 313

__ (berry) -- XII 402; __ (bud) -- XIII 299; __ (leaf) -- VI 393, VII 387; __ (stamen) -- VI 338; __ (tree) -- II 349, IV 58, IX 436

Turnip = *Brassica napus* (TURNIP)³²⁶ -- V 515

Turritis = *Arabis drummondi* (DRUMMOND'S ROCK CRESS) -- VII 342, XIII 247

Turritis glabra = *Arabis glabra* (TOWER MUSTARD) -- X 503

Turritis stricta = *Arabis drummondi* (DRUMMOND'S ROCK CRESS) -- V 192, 228, VI 224, 310, VIII 60, 241, 293, 341, IX 334, 386, X 358, XII 29

Tussilago farfara (COLTSFOOT) -- IX 79, 80

see also Coltsfoot

Twayblade = *Liparis lilifolia* (LARGE TWAYBLADE) -- IX 71

TWINFLOWER = *Linnaea borealis*

Typha = *Typha* spp. (CATTAIL) -- VII 42, XII 267

see also Flag, Flag (Cat-tail)

Typha angustifolia (NARROW-LEAVED CATTAIL) -- XII 273

see also Flag (Chair)

Typha latifolia (COMMON CATTAIL) -- III 226, IV 186, VI 369, XII 267

see also Cat-o'-nine-tail, Cat-tail, Cat-tail (Common), Flag (Barrel), Reed-mace

Ulmus americana (AMERICAN ELM) -- II 198, III 475, X 358

see also Elm, Elm (American), Elm (Common)

Ulmus fulva = *Ulmus rubra* (SLIPPERY ELM) -- V 227, VIII 118, X 358

Ulmus procera (ENGLISH ELM) -- see Elm (English)

Ulmus rubra (SLIPPERY ELM) -- see Elm (Slippery), *Ulmus fulva*

Ulmus thomasi (ROCK ELM) -- see Elm (Corky)

Umbelliferae (PARSLEY FAMILY) -- XII 364

___ (-ous plant) -- XIII 40

Umbilicaria = a lichen

Uraspermum (Hairy) = *Osmorhiza claytoni* (SWEET CICELY) -- XI 6

Urtica = *Urtica* spp. (NETTLE) -- VI 450, IX 90

see also Nettle

Urtica canadensis = *Laportea canadensis* (WOOD NETTLE) -- IX 66, 79, XI 51

Urtica dioica (STINGING NETTLE) -- II 388, IV 277

see also Nettle (Stinging)

Urtica gracilis = *Urtica procera* (TALL NETTLE) -- IV 225, 287, IX 79, 90

Urtica procera (TALL NETTLE) -- see Nettle (Common), *Urtica gracilis*

Urtica urens (DWARF NETTLE) -- XII 340

Usnea = a lichen

Utricularia = *Utricularia* spp. (BLADDERWORT) -- V 300, 313, 318, 489, VI 307, 422, 453, 483, VII 514, VIII 20, 124, 417, 425, X 17, XI 71, 73, XII 230, 267, XIII 268, XIV 98

___ (-like) -- V 307, VI 422, XI 92; ___ (root) -- II 435

Utricularia (Common) = *Utricularia vulgaris* (COMMON BLADDERWORT) -- IV 223, VI 424, XII 202

Utricularia cornuta (HORNED BLADDERWORT) -- III 13, IV 207, VI 390

see *Utricularia* (Horned), *Utricularia* (Leafless)

Utricularia (Horned) = *Utricularia cornuta* (HORNED BLADDERWORT) -- III 13, 64, IV 355, V (318), 323

Utricularia inflata (INFLATED BLADDERWORT) -- II 435, IV 330

see also Bladderwort (Whorled), *Utricularia* (Whorled)

Utricularia intermedia (FLAT-LEAVED BLADDERWORT) -- XI 173

Utricularia (Leafless) = *Utricularia cornuta* (HORNED BLADDERWORT) -- VII 48

Utricularia (Purple) = *Utricularia purpurea* (PURPLE BLADDERWORT) -- VI 390, (422), (424), VIII 442, XI 70, 73

Utricularia purpurea (PURPLE BLADDERWORT) -- V 315, X 21, XII 261, 267

see also *Utricularia* (Purple)

Utricularia resupinata (RECLINED BLADDERWORT) -- IX 484

Utricularia vulgaris (COMMON BLADDERWORT) -- II 482, IV 91, 223, 257, V 231, 300, 310, 489, VI 335, 336, VIII 377, 416, X 483, XI 94, XII 261, 267, XIII 185, XIV 116

see also Bladderwort (Common), *Utricularia* (Common), *Uvularia vulgaris*

Utricularia (Whorled) = *Utricularia inflata* (INFLATED BLADDERWORT) -- V 403, VI 361, 424, VIII 426, 440, X (21)

Uva-ursi = *Arctostaphylos uva-ursi* (COMMON BEARBERRY) -- II 224, III 414, VII 95, 378, X 387, XI 8, XII 380, 382, 383

— (berry) -- VI 438, 447, VII 442, IX 88

Uvularia = *Uvularia sessilifolia* (WILD OATS, SESSILE-LEAVED BELLWORT) -- V 174, 191, VI 262, XII 304

Uvularia grandiflora (LARGE-FLOWERED BELLWORT)³⁷ -- IX 491, X 454, XI 24, 60

Uvularia perfoliata (PERFOLIATE BELLWORT) -- II 224, IV 360, VIII 378, IX 391, X 9, 395, 423, 427, XII 186

see also Bellwort (Perfoliate)

Uvularia sessilifolia (WILD OATS, SESSILE-LEAVED BELLWORT) -- IV 53, V 122, X 417, XII 294, XIII 291

— (lower) -- IX 391

see also Bellwort (Sessile-leaved), *Uvularia*

*Uvularia vulgaris*⁸ = *Utricularia vulgaris* (COMMON BLADDERWORT) -- II 270

Vaccinia = *Vaccinium* spp. (BLUEBERRY) -- XIV 211

*Vaccinieae*³²⁸ = *Ericaceae* (HEATH FAMILY) VI 309, X 278, XI 83, XIV 295

Vaccinium = *Vaccinium* spp. (BLUEBERRY, CRANBERRY) -- VII 393, XI 26, 47, XII 257, 310

see also Bilberry, Blueberry, Cranberry, Huckleberry, *Vaccinia*, Whortleberry

Vaccinium amoenum = *Vaccinium corymbosum* (COMMON Highbush Blueberry)/*Vaccinium atrococcum* (BLACK Highbush Cranberry)⁴⁷ -- II 59

Vaccinium angustifolium (EARLY LOW BLUEBERRY) -- X 464, XI 47, 60, 61

see also Blueberry (Early), Blueberry (Early Dwarf), Blueberry (Early Low), Blueberry (Low), Blueberry (Low Early), Blueberry (Pennsylvania), *Vaccinium pennsylvanicum*

Vaccinium atrococcum (BLACK Highbush Blueberry) -- see Bilberry (Black), Blueberry (Black), Blueberry (Black Highbush), Blueberry (High), Huckleberry (Tall), Huckleberry (Tall Swamp), *Vaccinium corymbosum*

Vaccinium caespitosum -- see *Vaccinium cespitosum* (DWARF BILBERRY)

Vaccinium canadense = *Vaccinium myrtilloides* (VELVETLEAF BLUEBERRY) -- IX 491, XI 10, 29, 36, 45, 60, XIV 13, 299

— (berry) -- IX 495

Vaccinium cespitosum (DWARF BILBERRY) -- XI 26, 60, XII 202

Vaccinium corymbosum (COMMON Highbush BLUEBERRY)(47) -- II 59, IV 224, VI 409, VIII 340, X 196

see also Blueberry (Highbush), Huckleberry (Tall), Huckleberry (Tall Swamp)

Vaccinium disomorphum = *Vaccinium atrococcum* (BLACK Highbush BLUEBERRY) -- II 59

Vaccinium dumosum = *Gaylussacia dumosa* (DWARF HUCKLEBERRY) -- X 13, XII 194, XIII 319, 320

Vaccinium fuscatum = *Vaccinium atrococcum* (BLACK Highbush BLUEBERRY) -- IV 186

Vaccinium hispidulum = *Gaultheria hispidula* (CREEPING SNOWBERRY) -- IV 302

Vaccinium macrocarpon (LARGE CRANBERRY) -- IV 138, VIII 402

see also Cranberry, Cranberry (Common), Cranberry (Large)

Vaccinium myrtilloides (VELVETLEAF BLUEBERRY) -- see Blueberry (Canada), *Vaccinium canadense*

Vaccinium myrtillus (WHORTLEBERRY) -- XI 41

Vaccinium oxycoccus (SMALL CRANBERRY) -- VI 468, VIII 402, IX 35, 36, 37, 44, 394, 404, 501, X 197, 492, XI 46, 61, 84, XII 381, 382, 396

___ (berry) -- XII 393

see also Cranberry, Cranberry (European), Cranberry (Small)

Vaccinium pennsylvanicum = *Vaccinium angustifolium* (EARLY LOW BLUEBERRY) -- IV 48, 50, 177, 346, V 117, 119, VI 241, 252, 299, 393, 409, VII 353, 369, VIII 328, 352, 421, 444, IX 57, 193, 366, 475, 498, X 408, 458, 464, 477, XI 10, 47, XII 162, 238, 257, XIV 13, 153

___ (berry) -- IX 479, XI 65; ___ (flower) -- XIII 279

Vaccinium resinsum = *Gaylussacia baccata* (BLACK HUCKLEBERRY) -- V 119, 157

Vaccinium stamineum (DEERBERRY) -- V 421

Vaccinium tenellum = *Vaccinium angustifolium* (EARLY LOW BLUEBERRY) -- IV 48

Vaccinium uliginosum (ALPINE BILBERRY) -- XI 17, 18, 41, 45, 46, 60

Vaccinium vacillans (LATE LOW BLUEBERRY) -- IV 88, 90, 204, 209, 475, V 117, 119, 137, 310, 330, VI 151, 269, 309, 387, 393, 409, 412, 420, 435, VII 378, 420, VIII 338, 352, 421, 436, 445, IX 57, 193, XII 191, 262, XIII 102, 418, XIV 105, 153

___ (berry) -- VI 478, IX 481, XI 65; ___ (leaf) -- IX 141; ___ (shoot) -- XII 291

see also Blueberry (Low)

Vaccinium vitis-idaea (MOUNTAIN CRANBERRY) -- II 224, IV 347, V 360, VI 309, X 463, XI 60, 61, XIV 298

see also Cranberry, Cranberry (Mountain), *Vitis idaea*

Vallisneria = *Vallisneria americana* (TAPE-GRASS) -- VII 34, VIII 425, 431, 441, 442, 462, XI 68, XIII 412

Vallisneria americana (TAPE-GRASS) -- see Eel-grass, *Vallisneria*

Vallisneria spiralis = *Vallisneria americana* (TAPE-GRASS) -- V 300

Vanilla Grass = *Hierochloe alpina* (ALPINE SWEET GRASS) -- XI 26

VELVET-GRASS = *Holcus lanatus*

VENUS'S LOOKING-GLASS = *Specularia perfoliata*

Venus' Pride = *Houstonia caerulea* (BLUETS) -- IV 28

Veratrum viride (FALSE HELLEBORE) -- III 432, 445, 477, IV 80, 206, XII 300

___ (top) -- IV 103

see also Hellebore

Verbascum thapsus (COMMON MULLEIN) -- see Mullein

Verbena = *Verbena* spp. (VERVAIN) -- I 180

see also Vervain

Verbena hastata (BLUE VERVAIN) -- II 332, 414, 419, IV 232, VIII 422

see also Vervain (Blue)

Verbena urticifolia (WHITE VERVAIN) -- II 388, IV 225, VI 386

see also Vervain (Nettle-leaved)

Verbenum = *Verbena* spp. (VERVAIN) -- i 235

Vernal Grass = *Anthoxanthum odoratum* (SWEET VERNAL GRASS) -- XIII 279, 307, (399), 402

Vernonia = *Vernonia noveboracensis* (NEW YORK IRONWEED) -- IV 311, 349, V 337, 338, 388, VI 413, VIII 460, XII 302, 305, 317

Vernonia noveboracensis (NEW YORK IRONWEED) -- IV 243, 276

see also Vernonia

Veronica = *Veronica* spp. (SPEEDWELL) -- IV 71, 89, 114, 258, 276, 477, V 154, 322, VI 205, 248, VII 420, VIII 60, XI 24, XIII 164

— (ditch) -- IX 402

see also Speedwell

Veronica agrestis (FIELD SPEEDWELL)¹¹⁴ -- IV 397

see also Speedwell (Procumbent)

Veronica americana (AMERICAN BROOKLIME) -- IX 69, 79

Veronica alpina (ALPINE SPEEDWELL) -- XI 24, 60

Veronica arvensis (CORN SPEEDWELL) -- IV 89, V 169, 184, 477, VI 346, VIII 355, 386

Veronica beccabunga (BROOKLIME) -- IX 69

Veronica buxbaumii = *Veronica persica* (PERSIAN SPEEDWELL) -- XI 115

Veronica peregrina (PURSLANE SPEEDWELL) -- V 198, VI 266, VII 386, VIII 352, XII 182

Veronica persica (PERSIAN SPEEDWELL) -- see *Veronica buxbaumii*

*Veronica scutellaria*⁸ -- *Veronica scutellata* (MARSH SPEEDWELL) -- X 56

Veronica scutellata (MARSH SPEEDWELL) -- II 415, IV 91, VI 336, VII 413, VIII 373

see also Speedwell (Marsh), *Veronica scutellaria*

Veronica serpyllifolia (THYME-LEAVED SPEEDWELL) -- V 146, 154, 165, 184, 496, VI 248, 378, 391, VII 381, VIII 338, IX 29, 365, 386, X 98, XIII 278

see also Speedwell (Smooth), *Veronica* (Thyme-leaved)

Veronica (Small) = *Veronica arvensis* (CORN SPEEDWELL) -- V 184, VI 346

Veronica (Smooth) = *Veronica serpyllifolia* (THYME-LEAVED SPEEDWELL) -- V (184)

Veronica (Thyme-leaved) = *Veronica serpyllifolia* (THYME-LEAVED SPEEDWELL) -- II 217, V 200

Vervain = *Verbena* spp. (VERVAIN) -- II 427, 466

Vervain (Blue) = *Verbena hastata* (BLUE VERVAIN) -- II 332, 412, 414, IV 232, 284, 351, V 325, VI 402, X 88, 278, XIII 105

___ (flower) -- XII 289

Vervain (Nettle-leaved) = *Verbena urticifolia* (WHITE VERVAIN) -- II 388, 435

Vervain (White) = *Verbena urticifolia* (WHITE VERVAIN) -- IV 225, V 315, 338, 355, VI 402, VIII 408, IX 34

Vetch = *Vicia* spp. (VETCH)³²⁹ -- IV 232, V 222, VI 316, VIII 408, XII 216, 418

Vetch (Tufted) = *Vicia cracca* (COW VETCH) -- II 316, IV 193

Vetchling (Marsh) = *Lathyrus palustris* (MARSH VETCHLING) -- IX 420

Viburnum = *Viburnum* spp. (VIBURNUM) -- II 60, III 371, IV 258, 307, 316, 323, 419, V 86, 122, 288, 417, VI 232, 445, VII 352, 511, IX 59, 135, 185, 412, X 462, XI 98, XII 316, 355, XIII 158, 336

___ (bud) -- XII 168; ___ (leaf) -- VI 231

Viburnum acerifolium (MAPLELEAF VIBURNUM) -- IV 316, V 229

___ (berry) -- IX 89

see also Arrow-wood (Maple-leaved), Viburnum (Maple), Viburnum (Maple-leaved)

Viburnum alnifolium (HOBBLEBUSH) -- see Hobble-bush, *Viburnum lantanoides*

Viburnum cassinoides (WITHE-ROD) -- see Viburnum (Naked), *Viburnum nudum*, *Viburnum prunifolium*, *Viburnum pyrifolium*

*Viburnum dentatum*³³⁰ = *Viburnum recognitum* (NORTHERN ARROWWOOD) -- II 261, 396, IV 110, 117, 261, 311, 323, V 226, 367, 419, VI 332, 343, 359, VII 58, 362, 409, 421, XI 115, 258, XII 193, 380

___ (berry) -- IV 296, 303, 315, V 356, VI 433, VII 4, IX 30, XI 98; ___ (leaf) -- XI 250

Viburnum lantanoides = *Viburnum alnifolium* (HOBBLEBUSH) -- IV 344, IX 79, 80, X 454

Viburnum lentago (NANNYBERRY) -- II 60, III 400, IV 80, 96, 102, 316, 318, V 126, 160, 218, 450, 482, VI 231, 233, 241, 275, 298, 312, 341, VII 53, 340, IX 30, 81, 407, X 442, XI 206, 269, XII 316, 335, 381, XIII 340

___ (berry) -- IV 359, V 387, 395, 403, 434, VI 478, VII (4), 45, 53, XII 319

see also Lentago, Viburnum (Sweet)

Viburnum (Maple) = *Viburnum acerifolium* (MAPLELEAF VIBURNUM) -- V 419, VI 343, XII 381

___ (berry) -- VII 36; ___ (leaf) -- VII 511

Viburnum (Maple-leaved) = *Viburnum acerifolium* (MAPLELEAF VIBURNUM) -- IV 88, 100, (323), V 160, 243, VI 343, VIII 378, IX 63, X 25, 501, XI 222

___ (berry) -- IV 310, 353, V 415

Viburnum (Naked) = *Viburnum cassinoides* (WITHE-ROD) -- II 424, IV 189, 292, V 356, VI (281), XIII 272, (336)

___ (berry) -- IV 295, 296, V 365, 368, 391

Viburnum nudum = *Viburnum cassinoides* (WITHE-ROD) -- II 61, 494, IV 95, 117, 119, 316, 318, 323, 329, 344, 367, V 122, 126, 152, 160, 225, 256, 419, VI 231, 233, 241, 253, 275, 298, 332, 341, 343, VII 45, 53, 340, 424, 511, VIII 10, 324, 466, IX 135, 412, X 81, 196, 198, 442, 462, 464, XI 45, 59, 134, 240, 258, 281, 301, 309, XII 168, XIV 26, 28, 32, 44, 269

___ (berry) -- IV 318, VI 433, 456, 471, VII 18, 24, IX 31, 49, 58, 59, 91, 135, XI 119, XII 335; ___ (fruit) -- XII 293; ___ (leaf) -- XII 188

Viburnum prunifolium (BLACK HAW)³³¹ -- VI 445, IX 135, 412, X 442

Viburnum pyrifolium = *Viburnum cassinoides* (WITHE-ROD) -- II 60, V 225, IX 412

Viburnum recognitum (NORTHERN ARROWWOOD) -- see Arrow-wood, *Viburnum dentatum*

Viburnum (Sweet) = *Viburnum lentago* (NANNYBERRY) -- II 64, 434, IV 295, 323, V 152, (356), VI 281, 416, VII 52, VIII 375, XIII (336)

___ (berry) -- II 434, IX 61; ___ (leaf) -- VII 518

Viburnum trilobum (CRANBERRY VIBURNUM) -- see Tree-cranberry

Vicia cracca (COW VETCH) -- II 316, IV 193

see also Vetch

Vicia pusilla = *Vicia tetrasperma* (SLENDER VETCH) -- XII 418

Vicia tetrasperma (SLENDER VETCH) -- XII 418

Victoria spp. (ROYAL WATER LILY) -- see Lily (*Victoria*), *Victoria regia*

Victoria regia = *Victoria* spp. (ROYAL WATER LILY) -- VI 482

Vilfa (Hidden-flowered) = *Sporobolus vaginiflorus* (SHEATHED RUSH-GRASS) -- XI 148

Vilfa vaginaeflora = *Sporobolus vaginiflorus* (SHEATHED RUSH-GRASS) -- XI 148, XII 297

Villarsia (Common) = *Nymphoides cordata* (FLOATING HEART) -- IV 116

Villarsia lacunosa = *Nymphoides cordata* (FLOATING HEART) -- IV 116

Viola blanda (SWEET WHITE VIOLET)³³² -- IV 26, 49, 80, 367, V 116, 143, 164, VI 236, 242, 252, VII 345, VIII 329, 352, X 382, XI 31, 60, XII 163, 181, XIII 277

see also Violet (White)

Viola brittoniana (COAST VIOLET) -- see *Viola palmata*

Viola conspersa (DOG VIOLET) -- see *Viola debilis*, *Viola muhlenbergii*

Viola cucullata (MARSH BLUE VIOLET) -- II 500, IV 4, 33, 44, 50, 58, 66, 116, 121, 137, 147, 164, 165, 212, 433, VI 261, VII 362, 413, VIII 336, 352, X 395, 431, 450, XI 152, 235, XII 132, 180, 181

see also Violet (Hood-leaved)

Viola debilis = *Viola conspersa* (DOG VIOLET) -- V 179, 200, 208

Viola fimbriatula (OVATE-LEAVED VIOLET) -- see *Viola ovata*, *Viola sagittata*

Viola incognita (LARGE-LEAVED WHITE VIOLET) -- see *Viola blanda*, Violet (White)

Viola lanceolata (LANCE-LEAVED VIOLET) -- IV 69, 74, 80, 356, V 118, 143, 165, 435, VI 278, 382, VII 37, 359, VIII 329, X 418, XI 189, XII 181

Viola muhlenbergii = *Viola conspersa* (DOG VIOLET) -- V 179, VI 275, VIII 352, 358, IX 370, X 417, XII 180, 181

Viola ovata = *Viola fimbriatula* (OVATE-LEAVED VIOLET) -- III 470, IV 33, 41, 42, 44, 49, 57, 66, 378, V 116, 126, 137, 147, 165, 166, 439, VI 236, 238, 248, 252, 261, VII 339, 361, VIII 321, IX 113, 355, X 377, XI 235, XII 132, 181, XIII 256, 261

Viola pallens (NORTHERN WHITE VIOLET) -- see *Viola blanda*, Violet (White)

Viola palmata (PALMATE VIOLET)³³⁵ -- IV 75, 367, V 163, 202, 212, VI 277, 331, VII 382, X 419

Viola palustris (ALPINE MARSH VIOLET) -- XI 23, 60, 61

Viola papilionacea (COMMON BLUE VIOLET) -- see *Viola cucullata*, Violet (Hood-leaved)

Viola pedata (BIRDFOOT VIOLET) -- II 70, 89, 431, III 95, 97, 472, IV 18, 30, 44, 49, 50, 66, 68, 70, 90, 108, 127, 367, V 116, 126, 137, 147, 165, 176, 179, 212, 327, 406, 421, 448, VI 252, 278, 288, 447, VII 371, 377, IX 60, 371, X 406, 411, 450, XI 98, 235, XII 125, 162, 181, 182, XIII 280

___ (flower) -- XII 418; ___ (leaf) -- XIII 217

Viola pensylvanica (SMOOTH YELLOW VIOLET) --see *Viola pubescens*, Violet (Yellow)

Viola pubescens (DOWNY YELLOW VIOLET)³³⁶ -- IV 72, 367, VI 306, VII 406, X 439

Viola rostrata (LONG-SPURRED VIOLET) -- IX 80

Viola rotundifolia (ROUND-LEAVED VIOLET) -- IX 79

see also Violet (Round-leaved)

Viola sagittata (ARROW-LEAVED VIOLET)³³⁷ -- IV 4, 44, 357, V 165, 212, XII 133, 163

see also *Viola ovata*

Viola tricolor (PANSY) -- see Ladies'-delight, Pansy

Viola triloba (THREE-LOBED VIOLET) -- see *Viola palmata*

Violet = *Viola* spp. (VIOLET) i 31, 47, 103, 104, 235, 271, 339, 351, I 31, 50, 113, 114, 180, 220, 290, 304, 457, II 5, 89, 99, 181, 500, III 467, 484, IV 4, 20, 33, 34, 50, 57, 70, 75, 177, 273, 427, 477, V 137, 154, 164, 179, 246, 287, 295, 328, VI 128, VII 382, X 342, XI 424, XII 176, 181, 202, 343

___ (-like) -- i 58, I 62, V 134

Violet (Dog's-tooth) = *Erythronium americanum* (TROUT LILY) -- VIII 464, XIII 280

Violet (Hood-leaved) = *Viola cucullata* (MARSH BLUE VIOLET)/*Viola papilionacea* (COMMON BLUE VIOLET)² -- II 500, IV 367

Violet (Round-leaved) = *Viola rotundifolia* (ROUND-LEAVED VIOLET) -- IX 69

Violet (Sweet-scented White) = *Viola pallens* (NORTHERN WHITE VIOLET) -- IV (27)

Violet (White) = 177 -- IV 67, V 165, XIII 298

Violet (Yellow) = *Viola pensylvanica* (SMOOTH YELLOW VIOLET)/*Viola pubescens* (DOWNY YELLOW VIOLET)² -- I 435, V 161, (164), VIII 346, XIII 289

Violet (Yellow Woods) = *Viola pensylvanica* (SMOOTH YELLOW VIOLET)/*Viola pubescens* (DOWNY YELLOW VIOLET)² -- IV 72

Virgin's-bower = *Clematis virginiana* (VIRGIN'S-BOWER) -- VIII 431, XI 293

Vitis aestivalis (SUMMER GRAPE) -- IX 64, 93, 138

Vitis cordifolius = *Vitis riparia* (RIVERBANK GRAPE) -- IX 64, 66, 79

Vitis hederacea = *Parthenocissus quinquefolia* (VIRGINIA CREEPER)/*Parthenocissus inserta* (THICKET CREEPER)² -- II 501

Vitis idaea = ¹⁴⁹ -- IV 159, XIV 298

Vitis labrusca (FOX GRAPE) -- XI 192

see also Grape, Grape (Common Wild), Grape (White)

Vitis riparia (RIVERBANK GRAPE) -- see *Vitis cordifolia*

Vulpia octoflora (SLENDER FESCUE GRASS) -- see *Festuca tenella*

Wake-robin = *Trillium cernuum* (NODDING TRILLIUM) -- II 201, IV 71

Walnut = *Carya* spp. (HICKORY)¹⁷⁶ -- I 430, II 108, III 129, 292, IV 34, 120, 221, 300, 367, 378, 398, 399, 402, 405, 439, 449, V 16, 270, 273, 322, 457, 463, 470, 471, 482, 487, VI 18, 64, 85, 129, 207, VII 37, 252, VIII 47, 284, 423, IX

102, 159, 173, 177, 279, 297, X 11, 19, 67, 102, XI 194, 199, 220, 249, 402, XII 20, 30, 379, 439, XIV 189, 208, 263, 276, 281

___ (bough) -- IV 165; ___ (grove) -- IV 396; ___ (husk) -- XI 337; ___ (leaf) -- IV 409, X 57; ___ (log) -- VIII 348; ___ (shell) -- IX 206; ___ (stump) -- IV 171; ___ (tree) -- II 99, 459, VI 18, VIII 46, 47, XII 379; ___ (-ing) -- IV 411

Walnut (Black) = *Juglans nigra* (BLACK WALNUT) -- V 497, VI 301, IX 136, 410, 456, X 417, XII 439, XIV 184

___ (shaving) -- X 192

Water-beech = *Platanus occidentalis* (AMERICAN SYCAMORE) -- III 34

Water-brush = *Chamaedaphne calyculata* (LEATHERLEAF) -- XIII 255

WATERCRESS = *Nasturtium officinale*

WATER-FLAXSEED = *Spirodela polyrhiza*

WATER-HEMLOCK = *Cicuta* spp.

Water-lily = *Nymphaea odorata* (SWEET-SCENTED WATER LILY)/*Nuphar* spp.
(YELLOW POND-LILY) -- IV 148, 162, 233, 235, 301, V 283, 296, VI 128, 352, 361, 450

Water-lily (Sweet) = *Nymphaea odorata* (SWEET-SCENTED WATER LILY) -- IV 147

Water-lily (White) = *Nymphaea odorata* (SWEET-SCENTED WATER LILY) -- IV 205, 222, VI 352

Water-lily (Yellow) = *Nuphar variegatum* (BULLHEAD LILY) -- IV 222

Water-marigold = *Megalodonta beckii* (WATER MARIGOLD) -- III 29, 52, 54

Water-parsnip = *Sium suave* (WATER PARSNIP) -- II 412

WATER PENNYWORT = *Hydrocotyle* spp.

Water-plantain = *Alisma subcordatum* (SMALL WATER PLANTAIN)/*Alisma triviale* (LARGE WATER PLANTAIN)² -- IV 243, V 316, 325, 335

Water-shield = *Brasenia schreberi* (WATER SHIELD) -- IV (168), 238

WATER-STARWORT = *Callitriche* spp.

Water-target = *Brasenia schreberi* (WATER SHIELD) -- IV 168, 321, 325, V 310, 317, VI 390, X 229

___ (leaf) -- IV 309, V 211, 449, VI 346, X 222; ___ (stem) -- X 511

WATERWEED = *Elodea* spp.

Waxwork = *Celastrus scandens* (CLIMBING BITTERSWEET) -- i 32, I 32, IV 102, 258, 361, V 160, 218, 450, VI 262, 301, 318, 429, VII 5, 378, 408, IX 289, X 50, 281, XII 380, 381, 382, 439,

___ (berry) -- IV 334, V 352; ___ (leaf) -- VII 15, 498, VIII 441

Wayfarer's Tree = ²²¹ -- V 347

Wayfaring-tree (American) = *Viburnum alnifolium* (HOBBLEBUSH) -- IV 344

Weather-glass (Poor-man's) = *Anagallis arvensis* (SCARLET PIMPERNEL) -- VII 434

Wellingtonia gigantea = *Sequoiadendron giganteum* (GIANT SEQUOIA) -- XIV 310

Whiteweed = *Chrysanthemum leucanthemum* (OXEYE DAISY) -- II 257, 264, 276, 286, 310, IV 68, 80, 88, 115, 146, 257, 387, V 184, 197, 235, 277, VI 316, 375, 386, VII 409, VIII 362, 385, IX 419, X 488, XI 37, XII 403, XIII 348, 383

___ (tinge) -- II 269

Whortleberry = *Vaccinium* spp. (BLUEBERRY)/*Gaylussacia* spp. (HUCKLEBERRY) -- II 61, VII 12, XIV 224, 298, 300, 308, 309

___ (shrub) -- XIV 298

Whortleberry Family = ³²⁸ -- VI 309, XIV 297

Wicopy = *Dirca palustris* (LEATHERWOOD) -- IX 68

Willow = *Salix* spp. (WILLOW) -- i 78, 128, 144, 167, 205, 235, 441, 445, 453, 456, I 85, 140, 154, 180, 447, 451, II 124, 126, 256, 267, 311, 321, 410, 435, 436, 440, III 6, 16, 29, 43, 46, 52, 54, 60, 87, 129, 161, 299, 345, 351, 361, 362, 370, 391, 397, 400, 402, 405, 410, 414, 419, 433, 434, 436, 458, 465, 466, 472,

477, 478, IV 9, 20, 26, 28, 32, 33, 35, 36, 37, 38, 40, 41, 42, 43, 45, 52, 53, 55, 60, 65, 71, 74, 145, 150, 164, 184, 234, 238, 239, 284, 298, 301, 322, 326, 332, 352, 418, 419, 438, V 7, 15, 38, 40, 46, 55, 57, 61, 65, 70, 71, 72, 76, 80, 81, 86, 92, 95, 96, 97, 98, 103, 105, 111, 117, 118, 122, 124, 126, 133, 134, 138, 145, 146, 153, 160, 165, 181, 184, 188, 284, 290, 298, 302, 306, 316, 323, 380, 383, 417, 440, 452, 460, 463, 466, 468, 469, 470, 475, 476, 479, 516, VI 84, 86, 113, 114, 120, 135, 167, 169, 172, 189, 190, 201, 207, 211, 213, 217, 229, 232, 233, 234, 235, 239, 245, 251, 254, 256, 259, 260, 271, 281, 287, 298, 323, 392, 419, 421, 424, 454, 455, 464, VII 4, 9, 11, 47, 53, 58, 83, 158, 212, 232, 248, 251, 253, 258, 259, 260, 261, 294, 306, 317, 318, 328, 329, 332, 335, 341, 342, 352, 357, 363, 376, 388, 394, 395, 396, 399, 417, 418, 421, 444, 449, 458, 509, 513, 517, VIII 3, 4, 17, 38, 59, 69, 124, 144, 161, 181, 196, 209, 219, 253, 255, 266, 307, 329, 331, 368, 369, 370, 383, 399, 416, 443, 457, IX 20, 56, 75, 80, 95, 240, 251, 267, 278, 307, 314, 334, 341, 348, 351, 363, 380, 461, 463, 474, 497, 499, X 59, 130, 132, 245, 305, 338, 340, 344, 348, 349, 353, 360, 363, 365, 385, 386, 395, 396, 417, 420, 423, 445, 447, 463, 488, 504, XI 17, 25, 26, 36, 46, 47, 71, 72, 74, 77, 80, 81, 98, 114, 115, 117, 164, 168, 171, 182, 186, 213, 214, 217, 220, 234, 248, 249, 251, 252, 258, 276, 288, 342, 347, 365, 376, 401, 407, 417, 421, 441, 455, XII 35, 42, 77, 84, 114, 115, 119, 132, 133, 135, 136, 138, 147, 157, 164, 167, 176, 206, 227, 228, 229, 243, 251, 273, 376, 391, XIII 48, 61, 65, 123, 179, 203, 216, 228, 232, 237, 240, 244, 249, 256, 258, 261, 263, 265, 267, 284, 287, 291, 293, 305, 327, 330, 340, 353, 369, 400, 401, XIV 4, 26, 28, 50, 55, 73, 74, 88, 89, 120, 134, 162, 175, 263, 313, 326, 327, 328, 329,

__ (bark) -- III 319, IV 26, VI 225, X 242; __ (bean-pole) -- IV 235; __ (blossom) -- IV 38, 53, XI 358; __ (bough) -- VII 410, IX 251; __ (bud) -- V 11; __ (bush) -- VII 40; __ (catkin) -- i 465, I 464, II 172, III 60, 399, 405, 420, 432, 437, 440, 458, 463, 487, IV 108, V 7, 12, (16), 38, 80, 274, VI 111, 113, 137, 150, 153, 160, 171, 174, 241, VII 106, 238, 259, 260, 269, 328, VIII 219, 226, 268, 285, 353, IX 272, 330, X 161, 258, 310, 335, XI 334, XII 4, 70, XIII 184, 208, 300, XIV 328; __ (causeway) -- II 256, IV 32, V 333; __ (clump) -- XIII 185; __ (cone) -- V 49, 52; __ (curve) -- III 411; __ (down) -- VI 336, X 505, 510, XI 102, XIII 340; __ (-y edge) -- XI 166; __ (hedge) -- III 448, V 50, VIII 180, 181; __ (hedgerow) -- VI 202; __ (leaf) -- i 371, I 326, III 478, VII 485, IX 358, XI 81, XIII 329; __ (-like) -- IX 137; __ (-like herb) -- II 501; __ (-like shrub) -- III 80; __ (line) -- III 388; __ (-y meadow) -- X 494; __ (osier) -- VI 174, 176, VII 106, VIII 116, 240, IX 338, X 312; __ (plantation) -- VI 68; __ (pole) -- IV 235; __ (reach) -- II 410; __ (root fibre) -- X 350; __ (row) -- VI 239, VII 131, 169, 210, 211, 285, VIII 53, 409, IX 225, 251, 385, XI 70, 183, 311, XII 55, 68, 139, 197, 451, XIII 58, 177, 183, 343, XIV 329; __ (sap) -- VI 163; __ (shoot) -- X 236; __ (spray) -- III 457; __ (stem) -- VII 131; __ (stick) -- X 312, 359; __ (stump) -- II 311; __ (-top) -- VIII 6, 9, XII 210; (tree) -- i 80, I 87, III 232, VII 468; __ (trunk) VIII 13; __ (twig) -- i 456, III 432, IV 34, 425, V 15, VI 84,

130, VII 71, XI 72, 297, 332, XII 236, XIV 74; __ (wagon) -- III 149; __ (whistle) -- IV 37

Willow (Black) = *Salix nigra* (BLACK WILLOW) -- IV 74, 180, 203, 389, V 27, 132, 149, 152, 238, 241, 386, 389, 390, 402, 436, 450, 465, VI 263, 281, (296), 300, 323, 325, 348, 350, 355, VII 5, 54, 259, 376, 380, 413, 421, 424, 451, VIII 4, 13, 16, 20, 24, 87, 122, 137, 159, 161, 347, 369, IX 20, 113, 166, 220, 221, 240, 408, 463, 468, X 59, 60, 117, 132, 397, XI 71, 78, 79, 80, 105, 106, 114, 136, 157, 163, 202, 203, 206, 258, 394, 412, 418, XII 136, 138, 140, 199, 228, 233, 240, 243, 259, 260, 267, 336, 388, XIII 101, 306, 353, 373, 375, 377, 383, XIV 53, 82

__ (down) -- IX 473, XII 214, XIII 375, XIV 7; __ (leaf) -- XI 196; __ (seed) -- IX 475; __ (shoot) -- XI 316; __ (stump) -- VIII 399; __ (top) -- XII 209; __ (twig) -- VIII 370, XI 332

Willow (Black Dwarf) = *Salix nigra* (BLACK WILLOW) -- IV 188

Willow (Bog) = *Salix discolor* (PUSSY WILLOW) -- III 479, IV 74

WILLOW (BOG) = *Salix pedicellaris*

Willow (Brittle Gray) = *Salix sericea* (SILKY WILLOW) -- III 478, 479

Willow (Dwarf) = *Salix pedicellaris* (BOG WILLOW) -- II 121, VI 317

Willow (Glaucous) = *Salix discolor* (PUSSY WILLOW) -- III 479

Willow (Golden) = *Salix alba* (WHITE WILLOW) -- III 471, IV 389, V 3, 134, 135, 138, 171, 440, 447, 450, VI 269, 281, 383, VII 129, 185, 255, 298, 323, 381, VIII 181

__ (catkin) -- V 157, VI 264; __ (hedge) -- VII 448

Willow (Late Water) = *Salix nigra* (BLACK WILLOW) -- IV 33

Willow (Little Sage) = *Salix humilis* var. *microphylla* (DWARF GRAY WILLOW) -- XI 214

Willow (Long-beaked) = *Salix bebbiana* (BEBB WILLOW) -- VIII 368

Willow (Low Bush) = *Salix humilis* (PRAIRIE WILLOW) -- III 479

Willow (Muhlenberg's) = *Salix humilis* (PRAIRIE WILLOW) -- VII 369

Willow (Plum-leaved) = *Salix amygdalina* (ALMOND-LEAVED WILLOW) -- IX 414

Willow (Sage) = *Salix humilis* var. *microphylla* (DWARF GRAY WILLOW) -- III 80, 479, V 92, VI 296, 300, VII 383, IX 193, X 71, XI 222

Willow (Silky-headed) = *Salix discolor* (PUSSY WILLOW) -- III 479

Willow (Silky-leaved) = *Salix sericea* (SILKY WILLOW) -- III 479

Willow (Swamp) = *Salix discolor* (PUSSY WILLOW) -- IV 55, 74, V 5, 42, 101

___ (catkin) V 13

Willow (Two-colored) = *Salix discolor* (PUSSY WILLOW) -- III 479

Willow (Weeping) = *Salix babylonica* (WEEPING WILLOW) -- XI 155, 276, 301, 399, 406, XIV 327

Willow (White) = *Salix alba* (WHITE WILLOW) -- VII 388, X 38, 59, 92, 181, 185, XI 261, 316, XII 175, 179, XIII (65), 340, 353, XIV 327, 331

Willow (Wooly-headed Swamp) = *Salix discolor* (PUSSY WILLOW) -- III 479

Willow (Yellow) = *Salix alba* (WHITE WILLOW) -- IV 26, VIII 302

Willow-herb = *Epilobium* spp. (WILLOW-HERB) -- III 94, V 484

Willow-herb (Colored) = *Epilobium coloratum* (PURPLE-LEAVED WILLOW-HERB)/
Epilobium glandulosum (NORTHERN WILLOW-HERB)² -- II 422, IV 291

Willow-herb (Spiked) = *Epilobium angustifolium* (FIREWEED) -- IV 154

Willow-herb (Swamp) = *Decodon verticillatus* (SWAMP LOOSESTRIFE) -- II 502

Wind-flower -- *Anemone quinquefolia* (WOOD ANEMONE) -- IV 26

Winterberry = *Ilex* spp. (WINTERBERRY)²⁵⁷ -- II 125, 278, 281, III 129, 220, IV 432, 441, VIII 97, XI 258, 380

Winterberry (Evergreen) = *Ilex glabra* (INKBERRY) -- III 318

Winterberry (Smooth) = *Ilex laevigata* (SMOOTH WINTERBERRY) -- IV 121

Wintergreen = *Chimaphila* spp. (PIPSISSEWA, WINTERGREEN)/*Pyrola* spp. (PYROLA)
²²³ -- III 198, 302, IV 176, VI 76, 144, 209, VII 188, 405, VIII 60, 223, XI 205,
222, 323, 332, XII 108, XIII 306

___ (bud) VI 151; ___ (leaf) -- II 104

Wintergreen (Common) = *Chimaphila umbellata* (PIPSISSEWA) -- II 283

Wintergreen (Flowering) = *Polygala paucifolia* (FRINGED POLYGALA) -- IV 72, VII 306

Wintergreen (Spotted) = *Chimaphila maculata* (STRIPED WINTERGREEN) -- VI 124

Wintergreen (Umbelled) = *Chimaphila umbellata* (PIPSISSEWA) -- II 282, V 214

Witch-hazel = *Hamamelis virginiana* (WITCH-HAZEL) -- i 459, II 126, 186, III 45, 59,
61, 64, 88, 90, 92, 292, 375, IV 391, 392, 397, 410, 415, 427, 477, V 160, 432,
433, (435), 474, 475, 481, 501, 505, VI 264, 282, 300, VII 25, 42, (45), 64, 518,
IX 67, 84, 85, 123, 125, X 25, 49, 100, 123, 136, 137, 149, 152, XI 154, 197,
206, 222, 321, 358, XII 186, 320, 334, 377, 450

___ (blossom) -- II 106; ___ (bud) -- XI 291; ___ (bush) -- V 505, X 195; ___ (fruit) --
XII 334; ___ (nut) -- XII 337, 338, 402, XIII 67; ___ (spray) -- V 481

Withe-rod = *Viburnum cassinoides* (WITHE-ROD) -- II 494

Woodbine = *Parthenocissus quinquefolia* (VIRGINIA CREEPER)/*Parthenocissus inserta*
(THICKET CREEPER)² -- II 74, 459, 489, 501, IV 265, 266, 344, 359, 361, V 319,
368, 516, VI 282, 300, 401, 434, VII 438, X 48, 67, XI 154, 227, XII 381, 410

___ (berry) -- VII 8; ___ (shoot) -- VI 283

Wood Fern = *Dryopteris marginalis* (MARGINAL WOODFERN) -- VI 133

WOODFERN (SPINULOSE) = *Dryopteris spinulosa*

WOODFERN (MARGINAL) = *Dryopteris marginalis*

Wood Grass = *Sorghastrum nutans* (WOOD GRASS) -- XI 147, XII 224

Wood Grass (Purple) = *Andropogon scoparius* (BROOM GRASS) -- XI 125, 126, 307

Woodsia ilvensis (RUSTY WOODSIA) -- X 24, 25, XI 23, 155, 172, XII 360, 365, XIII 247

*Woodsia virginica*⁸ = *Woodwardia virginica* (VIRGINIA CHAIN-FERN) -- XI 84

Wood-sorrel = *Oxalis* spp. (WOOD-SORREL) -- V 205

Wood-sorrel (Upright) = *Oxalis europaea* (YELLOW WOOD-SORREL) -- II 389

Wood-sorrel (Violet) = *Oxalis violacea* (VIOLET WOOD-SORREL) -- IX 370, 409

___ (spring) -- XI 141; ___ (wall) -- IX 92

Wood-sorrel (Yellow) = *Oxalis europaea* (YELLOW WOOD-SORREL) -- IV 95, XII 199

Woodwardia = *Woodwardia virginica* (VIRGINIA CHAIN-FERN) -- XII 394, XIII 350

Woodwardia virginica (VIRGINIA CHAIN-FERN) -- XII 313, 360

___ (fern) -- XI 148

see also *Woodsia virginica*, *Woodwardia*

Wool-grass = *Scirpus* spp. (WOOL-GRASS)³²³ -- IV 386, 389, 429, V 297, 344, 486, 506, 529, VI 375, 421, 441, 446, 452, VII 424, 517, VIII 3, 4, 16, 20, 402, 423, IX 23, 127, 219, 461, X 60, 494, XI 7, 31, 60, 74, 83, 114, 127, 128, 134, 152, 164, 197, 198, 253, 316, 317, XII 98, 224, 225, 257, 259, 269, XIII 24, 42, XIV 8, 27, 45, 55

___ (head) -- XII 388; ___ (-like) -- VIII 6, X 445; ___ (top) -- X 130; ___ (wool) -- XIII 45

Wool-grass (Common) = *Scirpus* spp. (WOOL-GRASS)²⁸⁸ -- XIV 18

Wool-grass (Large Early) = *Scirpus longii* (LONG'S WOOL-GRASS) -- XIII 354

Worm-seed = *Chenopodium botrys* (JERUSALEM OAK) -- III 72, V 398

Wormwood = *Ambrosia artemisiifolia* (COMMON RAGWEED) -- II 60, IV 250, 266, 278, V 340, 358, VIII 335, 466, IX 155, XIV 314

___ (-like) -- V 398; ___ (pollen) -- VI 490; ___ (scent) -- II 392

WORMWOOD = *Artemisia* spp.

Wormwood (Roman) = *Ambrosia artemisiifolia* (COMMON RAGWEED) -- II 59, 62, 64, 126, 382, 473, V 361, 383, 391, VIII 411, IX 146, 241, X 289, XI 391, 395, XII 293, 306, 450, XIII 18, 408, XIV 313

___ (dust) -- V 417

Wormwood (Sea) = *Artemisia* spp. (WORMWOOD)²³¹ -- VII 436

Wound-wort = *Stachys tenuifolia* (COMMON HEDGE NETTLE) -- II 424

Xanthium echinatum (BEACH CLOTBUR) -- VII 434

Xylosteum ciliatum = *Lonicera canadensis* (AMERICAN FLY HONEYSUCKLE) -- II 266

Xyris = *Xyris* spp. (YELLOW-EYED GRASS) -- IV 228, V 335, VI 394

see also *Xyris aquatica*, Yellow-eyed Grass

Xyris aquatica = *Xyris* spp. (YELLOW-EYED GRASS)²³⁵ -- VIII 118

Yarrow = *Achillea millefolium* (YARROW) -- II 264, 276, 298, 309, 324, 415, III 465, IV 90, 193, 257, 356, 378, 391, 409, 411, 412, 413, 414, V 206, 447, 468, 477, 481, 500, 515, VI 316, 396, VII 280, VIII 28, 399, IX 113, 114, 123, XI 281, XII 203, 297, XIII 34, 350, 426, XIV 26, 122

Yellow-eyed Grass = *Xyris* spp. (YELLOW-EYED GRASS) -- IV 228, XII 199

Yew = *Taxus canadensis* (AMERICAN YEW) -- X 342, 344, 363, 367, 369, XI 89, 90, XII 133, 381, XIII 336, 383, XIV 93, 263

___ (berry) -- XI 155, XII 314; ___ (wood) -- XI 276, XIV 93

Yew (American) = *Taxus canadensis* (AMERICAN YEW) -- X 306

Zea mays (MAIZE, CORN) -- see: Corn (Indian), Maize

Zizania = *Zizania aquatica* (WILD RICE) -- IV 362, 400, V 325, 327, VI 408, 426, 452, 485, VIII 431, XI 121, 143, XII 270, 284, 381, XIV 53

___ (fruit) -- XI 181; ___ (grain) -- VII 14; ___ (hollow) -- VIII 430; ___ (seed) -- XIV 88

Zizania aquatica (WILD RICE) -- IV 297, VIII 118

see also Oats (Wild), Rice (Wild), *Zizania*

Zizia aurea (GOLDEN ALEXANDERS) -- IV 80, XII 186

see also Alexanders (Golden), *Thaspium aureum*

Notes (revised)

1. This is a mistranscription of "a Ribes." Evidently the editors of the 1906 edition of Thoreau's *Journal* incorrectly transcribed Thoreau's "a Ribes" as "A. Ribes." The specimen in Thoreau's herbarium associated with this citation is *Ribes cynosbati* forma *inermis*, a prickless form of PRICKLY GOOSEBERRY.

2. These two species were not distinguished from each other in the manuals used by Thoreau.

3. It is possible that some references are to *Populus canescens* (GRAY POPLAR), a species planted in Concord and often considered a variety of *P. alba* (WHITE POPLAR) in Thoreau's time. The specimen in Thoreau's herbarium labeled "*Populus alba*" is *Populus alba* in the *Gray's Manual* 8th ed. sense.

4. This is a Mediterranean plant whose stylized leaves are used in architecture and decorative arts.

5. The name "*Agrimonia eupatoria*" encompasses four *Gray's Manual* 8th ed. species in New England. The two species recorded in Concord are *Agrimonia gryposepala* and *Agrimonia striata*.

6. The assignment of specific names to "*Agrostis alba*" and "*Agrostis vulgaris*" of Thoreau's time presents a problem since the species descriptions in *Gray's Manual of Botany* 2nd ed. agree essentially with the *Gray's Manual* 8th ed. *Agrostis alba* and *Agrostis*

tenuis, respectively, except for the feature that gives them their common names, namely, the color of the panicle. Not only are the common names reversed but also the designation as to whether they are native or introduced. It is presumed here that Thoreau applied his scientific names on the basis of the salient feature, panicle color, rather than on a key character that he does not mention. This results in reliance upon the common names of Thoreau's time to translate Thoreau's scientific and common names in this instance.

7. Included here would be *Acalypha rhomboidea* (THREE-SIDED MERCURY), not distinguished in the manuals used by Thoreau.

8. This name is a mistranscription.

9. "Alsine" literally corresponds to *Arenaria* spp. (SANDWORT). However, the context clearly indicates the identity of the plant.

10. This name in Thoreau's time encompassed all of the New England species.

11. Included here would be *Amelanchier laevis*, *Amelanchier stolonifera*, and *Amelanchier arborea* for the Concord area in addition to *Amelanchier canadensis* in the restricted modern *Gray's Manual* 8th ed. sense. In Thoreau's time this last name included all New England species.

12. These citations indicate a general sense including two or more of the following: *Chamaedaphne calyculata* (LEATHERLEAF), *Lyonia ligustrina* (MALEBERRY), *Andromeda glaucophylla* (BOG ROSEMARY), and *Leucothoe racemosa* (SWAMP SWEETBELLS).

13. This is probably *Cladrastis lutea* (YELLOWWOOD).

14. Citation IV 163 also refers to this form.

15. The mystery grass referred to on XI 157, which is represented by a specimen in Thoreau's herbarium, has been identified as this species.

16. A form intermediate between *Apocynum androsaemifolium* and *Apocynum cannabinum* and treated as a separate species, *Apocynum medium*, was not distinguished in Thoreau's time. Thoreau's references may include this form, but it is uncommon in Concord.

17. The specimen in Thoreau's herbarium associated with the citation(s) has been identified as *Apocynum cannabinum* (INDIAN HEMP).

18. This name in Thoreau's time encompassed several *Gray's Manual* 8th ed. species. The common species in Concord is *Chenopodium album* (LAMB S-QUARTERS) in the restricted *Gray's Manual* 8th ed. sense.

19. The first three citations actually refer to *Arabis drummondi* (DRUMMOND'S ROCK CRESS). *Arabis laevigata* is known in Concord only from a single collection in 1929 which is not a good representative of the species.

20. The identity of this citation is unknown. Very likely it does not refer to a vascular plant.

21. This parasitic plant was undescribed scientifically in Thoreau's time. Thoreau's description of this locally rare species in these two citations is unmistakable and is supported by twentieth-century botanical collections from the same site (now destroyed).

22. The plant referred to at this citation is almost certainly *Sagina procumbens* (MATTED PEARLWORT).

23. The only two species of this genus that occur in Concord are *Arisaema atrorubens* (JACK-IN-THE-PULPIT) and *Arisaema stewardsonii* (NORTHERN JACK-IN-THE-PULPIT), which were not distinguished from each other in Thoreau's time.

24. This name as used in Thoreau's time encompassed several *Gray's Manual* 8th ed. species.

25. The specimen in Thoreau's herbarium associated with this name is not *Aster laevis*. The actual identity of the plant is uncertain. It appears to be a form of, or a hybrid involving, *Aster lateriflorus* (CALICO ASTER).

26. Some of the first six citations apparently refer to *Aster vimineus* (SMALL WHITE ASTER). See V 402.

27. Although botanically "*Aster longifolius*" translates into "*Aster simplex*" (PANICLED ASTER), the description in *Gray's Manual of Botany* 2nd ed. corresponds to *Aster novi-belgii* (NEW YORK ASTER). The specimens in Thoreau's herbarium seem to indicate that he applied the name to both *A. simplex* and *A. novi-belgii*.

28. This is a mistranscription of "*Aster prenanthoides*." The identity of the plant is evidently *Aster foliaceus* (LEAFY-BRACTED ASTER), based on the date, the site, and similarity to *Aster prenanthoides* in some characters.

29. The first citation is probably not a specific aster. The second citation together with V 402 indicates *Aster vimineus* (SMALL WHITE ASTER).

30. The specimens in Thoreau's herbarium to which he applied this name are *Aster simplex* (PANICLED ASTER).
31. *Aster tradescanti* in Gray's *Manual* 8th ed. is called *Aster vimineus*, in more modern nomenclature it is called *Symphotrichum tradescantii*.
32. The common, introduced species in the Concord area is *Morus alba* (WHITE MULBERRY).
33. Ernest Wilson and Alfred Rehder in their monograph on azaleas indicate that this name is of doubtful validity and that the plant to which it was originally applied is probably an unusual form of Mountain Laurel (*Kalmia latifolia* forma *monstrosa*).
34. This name does not exist in the botanical literature of Thoreau's time or in modern synonymies. It is evidently spurious, originating with the collector Mr. Higginson. The plant is undoubtedly either *Barbarea vulgaris* (COMMON WINTER CRESS) or *Barbarea verna* (EARLY WINTER CRESS), the only two species known to occur in Massachusetts.
35. The other species of barberry that now occurs in the region, JAPANESE BARBERRY (*Berberis thunbergii*), was not introduced into New England until after Thoreau's death.
36. Two additional *Echinocloa* species have been recorded in Concord but are found in wet habitats and are uncommon.
37. Thoreau's identification is in error since this species is unknown from Maine. He probably applied the name to *Streptopus amplexifolius* (TWISTED STALK), with foliage and aspect similar to *Uvularia grandiflora*.
38. The species involved is almost certainly *Agrostis alba* var. *palustris* (CREEPING BENT), on the basis of color (VI 285) and habitat.
39. Citation IX 414 refers either to *Betula alba* (EUROPEAN WHITE BIRCH) or *Betula pendula* (EUROPEAN WEeping BIRCH).
40. In Thoreau's time *Megalodonta beckii* (WATER-MARIGOLD) was also included in this genus and was called "*Bidens beckii*."
41. Included here would be *Bidens comosa* (LEAFY-BRACTED BUR-MARIGOLDI), not distinguished in Thoreau's time.
42. Included here would be *Bidens vulgata* (TALL BEGGAR-TICKS), not distinguished in Thoreau's time.

43. "Bilberry" properly applies to a specific subgroup of *Vaccinium* (a subgroup whose species tend to occur in mountains or northern areas and which differ in several technical features from ordinary blueberries). Thoreau's citation XI 17 uses "bilberry" in this restricted sense. The remainder of his citations use the name in an older, broader sense that would probably include all blueberries.
44. The particular specimen that Thoreau compares with red birch is evidently *Betula papyrifera* var. *cordifolia* (HEART-LEAVED BIRCH).
45. This might be *Betula papyrifera* var. *cordifolia* (HEART-LEAVED BIRCH), judging from the habitats and locales indicated.
46. Thoreau misapplies this name.
47. Gray's *Manual of Botany* of Thoreau's time considered *Vaccinium atrococcum* as a variety of *Vaccinium corymbosum*. *V. corymbosum* is much more common in Concord than *V. atrococcum*.
48. In Concord this name refers only to *Vaccinium angustifolium* (EARLY LOW BLUEBERRY} and *Vaccinium vacillans* (LATE LOW BLUEBERRY). Elsewhere in New England additional *Vaccinium* species are included.
49. *Pyrus americana* is not native to the Concord area but is occasionally planted. *Pyrus aucuparia* is frequently planted and occasionally escapes.
50. Included here should also be *Botrychium matricariaefolium* (DAISY-LEAF GRAPE-FERN), not clearly distinguished in the manuals used by Thoreau. However, there is no indication in the context of the citations that Thoreau ever saw this furtive, locally rare species.
51. The other species of buckthorn that now occurs in the region, GLOSSY BUCKTHORN (*Rhamnus frangula*), was not naturalized in New England until after Thoreau's death.
52. Most of Thoreau's citations refer to *Scirpus validus* (GREAT BULRUSH).
53. A particular species cannot be assigned with certainty, but BURDOCK (*Arctium* spp.) is the most likely genus based upon the context.
54. *Sparganium chlorocarpum* was not distinguished in Thoreau's time and is scarce in Concord.
55. This is probably *Sparganium eurycarpum* (GREAT BUR-REED).

56. This is evidently a playful modification of BUR-REED (*Sparganium* spp.), judging from the context.

57. Thoreau uses the combination "white buttercup" only by way of comparison and not in reference to a particular buttercup.

58. For those citations referring to planted trees, *Platanus acerifolia* (LONDON PLANE-TREE) cannot be ruled out as a possibility.

59. Thoreau did not apply this name consistently to a particular species. Citations V 322 and VI 395 refer to *Pycnanthemum muticum* (SHORT-TOOTHED MOUNTAIN MINT), while II 461 and XIII 310 refer to *Pycnanthemum incanum* (HOARY MOUNTAIN MINT). The other citations probably refer to one of these two species.

60. The two species found in Concord, *Callitriche palustris* and *C. heterophylla*, were not distinguished from each other in the manuals used by Thoreau.

61. This is a mistranscription of "*Campanula erinoides*."

62. Included here would be *Carex brunnescens* (BROWNISH SEDGE), not distinguished as a separate species in the manuals used by Thoreau.

63. This species belongs to a subgroup of *Carex* (i.e., Ovales section) in which many more species are distinguished now than in Thoreau's time. Without a specimen collected by Thoreau the actual identities of the plants in the citations are impossible to determine.

64. The context of this citation indicates that the identity of the plant is most likely *Carex laxiculmis* (SPREADING SEDGE), but *Carex laxiflora* is also a possibility.

65. Included here would also be *Carex emmonsii* (EMMON'S SEDGE).

66. This species is unknown in the Concord area. The actual identity of the plant referred to is unclear. A specimen in Thoreau's herbarium with this name offered as an alternative to "*Carex mobile*" has been identified as *Carex vesicaria* (INFLATED SEDGE).

67. Specimens in Thoreau's herbarium associated with these two citations have been identified as *Carex convoluta* (STAR SEDGE), which was not distinguished from *Carex rosea* in Thoreau's time.

68. This species belongs to a group within *Carex* (i.e., Ovales section) in which many more species are distinguished now than in Thoreau's time. While *Carex scoparia* in the restricted modern sense is common in the Concord area, some citations may refer to

other species. Examples in Thoreau's herbarium of additional species included under this name are *C. cumulata*, *C. brevior*, and *C. alata*.

69. This species belongs to a group within *Carex* (i.e., *Stellulatae* section) in which many more species are distinguished now than in Thoreau's time. Examples in Thoreau's herbarium of additional species included under this name are *C. cephalantha* (the most common), *C. incompta*, and *C. angustior*.

70. This species belongs to a group within *Carex* (i.e., *Ovales* section) in which many more species are distinguished now than in Thoreau's time. Examples in Thoreau's herbarium of additional species included under this name are *C. alata*, *C. festucea*, and *C. cumulata*.

71. A specimen in Thoreau's herbarium to which he applied this name has been identified as *Carex artecta*.

72. Thoreau misapplies the name. This species has not been recorded in the Concord area, and the nuts would be bitter. The tree in question is *Carya ovalis* (SWEET PIGNUT HICKORY).

73. Included here would be *Carya ovalis* (SWEET PIGNUT HICKORY), not distinguished in Thoreau's time and regarded by some modern botanists as merely a variety of *Carya glabra* (PIGNUT HICKORY). *C. ovalis* is more common in Concord than *C. glabra*.

74. All citations refer to *Smilax rotundifolia* (COMMON GREENBRIER) with the possible exception of IX 135,185,321.

75. The sense here is general, including *Thuja* spp., *Chamaecyparis* spp., and *Juniperus* spp.

76. The only *Centaurea* species represented in Thoreau's herbarium is *Centaurea nigra* (BLACK KNAPWEED).

77. The descriptions of *Cerastium vulgatum* and *Cerastium viscosum* in Gray's *Manual of Botany* 2nd ed. are interchanged in comparison to the *Gray's Manual* 8th ed. descriptions. Consequently, the species to which Thoreau applied this name is actually *Cerastium vulgatum* (COMMON MOUSE-EAR CHICKWEED), which is abundant in Concord.

78. *Ceratophyllum demersum* and *Ceratophyllum echinatum* were usually considered varieties of the same species in Thoreau's time. *C. echinatum* in the restricted *Gray's Manual* 8th ed. sense has not been recorded in Concord but might occur.

79. It appears that Thoreau does not apply this name correctly until IV 130. The identity of earlier references is uncertain but is most likely *Prunus pensylvanica* (PIN CHERRY). Citation II 126 might refer to CHOKEBERRY (*Pyrus* spp.).

80. These two species are very similar. *Prunus avium* is more commonly planted, and therefore more likely to be the particular species that Thoreau refers to.

81. Thoreau means to write "*P. pensylvanica*" at this particular citation instead of "*P. virginiana*."

82. It is not evident that Thoreau intends a particular species by this name. The context of the citations indicates the tree species *Prunus serotina* (BLACK CHERRY) or *Prunus pensylvanica* (PIN CHERRY). Citation II 201 refers to the former.

83. Thoreau corrects the citation on IV 410 to what is now *Lycopodium obscurum* (TREE CLUBMOSS).

84. The context of citation VI 124 indicates that *Chimaphila maculata* (STRIPED WINTERGREEN) is intended.

85. These two species were considered varieties of one species in Thoreau's time.

86. A particular species of *Potentilla* is not intended. The usage is merely for comparative purposes.

87. Thoreau was unable to distinguish clearly between *Circaea quadrisulcata* and *Circaea alpina* using the inadequate manuals available to him. The two are distinguished best by using minute characters he does not mention. Those plants that are taller than one foot are almost certainly *C. quadrisulcata*. Those plants he mentions as being shorter than one foot could be either species.

88. The name "fiddlewood" is also applied to true members of the genus *Citharexylum* in the restricted modern sense.

89. A specific identity cannot be determined with certainty, but *Agrostemma githago* (CORN COCKLE) seems to be the most likely possibility.

90. Old usage applied the name "*Convallaria*" to *Maianthemum canadense* (CANADA MAYFLOWER), *Smilacina* spp. (FALSE SOLOMON'S-SEAL), *Polygonatum* spp. (SOLOMON 'S-SEAL), and *Convallaria majalis* (LILY-OF-THE-VALLEY).

91. The citation on IV 296 is a misidentification of *Corallorhiza maculata* (SPOTTED CORALROOT}. The mistake is noted on IV 305.

92. *Cornus obliqua* would be included with *Cornus amomum*. *C. obliqua* was not distinguished in the manuals used by Thoreau and is not distinguished as a species by many modern botanists.

93. Thoreau is mistaken in stating that Bigelow's *Cornus alba* is equivalent to Gray's *Cornus paniculata*.

94. The true identity of the plant at the citation(s) is probably *Cornus racemosa* (GRAY DOGWOOD, PANICLED DOGWOOD).

95. This particular citation refers to *Corylus americana* (AMERICAN HAZELNUT).

96. Thoreau's identification is probably in error since the "cotton" of this species is typically rust colored.

97. This name has been applied to a number of different types of trees. The most likely species being referred to is *Bombax ceiba* (COTTON-TREE), a South American tree.

98. This name would encompass many species distinguished in the twentieth century. As applied in Concord it probably refers to *Crataegus macrosperma* (VARIABLE THORN), the most common species.

99. Included here would be *Crataegus succulenta* var. *macracantha* (LONG-SPINED THORN), not distinguished in the manuals used by Thoreau.

100. Included here would be *Crataegus monogyna* (SINGLESEED HAWTHORN) not distinguished in the manuals used by Thoreau.

101. Thoreau intends to indicate rocket cress rather than rock cress, the identity of the plant.

102. Thoreau's identification is clearly in error since this is a summer and fall blossoming species. His description on III 473 indicates *Antennaria* spp. (PUSSYTOES) The most likely possibility is *Antennaria neodioica* var. *chlorophylla* (SMALLER PUSSYTOES), a variety that is rare in Concord.

103. Thoreau evidently intends "Missouri currant."

104. The Princeton edition of Thoreau's *Journal* transcribes citation I 138 as "cut grass" (i 126), which probably would not refer to a particular species.

105. Included here would be *Cyperus rivularis* (SHINING CYPERUS), not distinguished in the manuals used by Thoreau. One specimen in Thoreau's herbarium to which he applied the name "*Cyperus diandrus*" has been identified as *Cyperus rivularis*.

106 The most likely species intended is *Chrysanthemum leucanthemum* (OX-EYE DAISY). Also a possibility is Thoreau's "white daisy," *Erigeron strigosus* (LESSER DAISY FLEABANE).

107. Included here would be *Danthonia allenii* (ALLEN'S WILD OAT-GRASS), not distinguished in Thoreau's time.

108. This species has never been found in New England, and Thoreau's application of the name in the two citations is tentative. The plant in question is probably *Desmodium marilandicum* (MARYLAND TICK-TREFOIL).

109. The berries of *Clintonia borealis* (CLINTONIA) are inedible though not actually poisonous.

110. Most, if not all, citations refer to the common species *Apocynum androsaemifolium* (SPREADING DOGBANE).

111. Included here would be *Elatine minima* (SMALL WATERWORT), not distinguished in the manuals used by Thoreau. *E. minima* is the only species of the two that has been recorded in Concord, and that from Walden Pond

112. Included here would be *Eleocharis smallii* (SMALL'S SPIKE.RUSH), not distinguished in the manuals used by Thoreau. Many modern botanists combine the two under *E. palustris*.

113. Virtually every citation refers to *Ulmus americana* (AMERICAN ELM), the common species. *Ulmus rubra* (SLIPPERY ELM) and the cultivated European elms were rare in Concord. Pratt's elm (IV 448) was *U. americana* and very likely Cheney's elm as well.

114. This species is not known to occur in eastern Massachusetts.

115. Included here would be *Empetrum atropurpureum* (PURPLE CROWBERRY), not distinguished from *E. nigrum* in Thoreau's time.

116. Included here would be *Epilobium glandulosum* (NORTHERN WILLOWHERB), not distinguished in the manuals used by Thoreau. *Epilobium glandulosum* is widespread in Massachusetts but collected only once in Concord in 1908 (the common variety of it now included as a variety of *Epilobium ciliatum*).

117. It is very likely that all these citations refer actually to *Epilobium leptophyllum* (NARROW-LEAVED WILLOW-HERB). *E. strictum* (now *E. densum*) has not been recorded in Concord and is distinguished in modern manuals using characters not emphasized in the manuals used by Thoreau.

118. The specimens labeled "*Eragrostis capillaris* (pectinacea)" in Thoreau's herbarium associated with XI 124,150 have been identified as *Eragrostis pectinacea* (INDIA LOVE-GRASS). A specimen labeled "*Eragrostis capillaris*" associated with XI 150 has been identified as *Muhlenbergia uniflora* (FALL DROPSEED).

119. Included here would be *Eragrostis spectabilis* (PURPLE LOVE-GRASS), not properly distinguished in Thoreau's time.

120. This is most likely to be *Erigeron annuus* (DAISY FLEABANE).

121. Included here would be *Eriophorum tenellum* (ROUGH COTTON-GRASS), not properly distinguished in the manuals used by Thoreau. *E. gracile* has not been recorded in Concord but might occur. The specimen in Thoreau's herbarium associated with XII 235 has been identified as *Eriophorum tenellum*.

122. The specimen in Thoreau's herbarium associated with XI 141 has been identified as *Eriophorum virginicum* (TAWNY COTTON-GRASS).

123. Included here would be some species not generally distinguished in the manuals used by Thoreau. Most, if not all, citations refer to *Eupatorium dubium* (EASTERN JOE-PYE-WEED). *E. purpureum* in the restricted *Gray's Manual* 8th ed. sense has not been recorded in Concord but might occur. *E. fistulosum* (TRUMPETWEED) has been recorded in Concord only with a specimen collected by Edward Hoar that has been identified as this.

124. Thoreau's use of "evergreen" usually does not refer to a particular genus or species. However, II 304 (in conjunction with VI 12) appears to refer to *Lycopodium obscurum* (TREE CLUBMOSS).

125. The latter species was not distinguished in Thoreau's time. It has been recorded in Concord based only a specimen collected by Thoreau.

126. These two species were not distinguished in the manuals used by Thoreau. They were treated as separate species in *Gray's Manual* 8th ed. but are presently treated as one species (*Fallopia scandens*).

127. The specimen in Thoreau's herbarium associated with XII 208 has been identified as *Festuca rubra*. Other specimens, collected before and after this one, to which Thoreau

applied the name *Festuca ovina* have been identified as *Danthonia spicata* (COMMON WILD OAT-GRASS) and *Danthonia allenii* (ALLEN'S WILD OAT-GRASS). It is possible that some of the citations refer to *Festuca rubra* (RED FESCUE GRASS).

128. While "flag" may also refer to *Acorus calamus* (SWEET FLAG, CALAMUS) or *Iris* spp. (IRIS), it appears from the context of the citations that Thoreau intends primarily (if not exclusively) *Typha* spp.

129. This is most likely *Erigeron annuus* (DAISY FLEABANE).

130. This is possibly the European species *Myosotis sylvatica* (WOOD FORGETME-NOT), commonly cultivated.

131. This is probably the common species *Alopecurus pratensis* (MEADOW FOXTAIL).

132. The identity of the plants associated with all uses of this name might actually be *Galium triflorum* (SWEET-SCENTED BEDSTRAW) since the specimen in Thoreau's herbarium from Lee's Cliff labeled "*Galium aparine*" has been identified as *G. triflorum*, and Thoreau expresses uncertainty on VI 337 about distinguishing the two species.

133. [This footnote not used in this corrected version.]

134. Most citations probably refer to *Galium palustre* (MARSH BEDSTRAW), which is frequent in Concord and not distinguished from *Galium trifidum* in the editions of Gray's *Manual of Botany* that Thoreau used. *G. trifidum* in the restricted Gray's *Manual* 8th ed. sense is rare or uncommon in Concord.

135. Included here would be *Gentiana clausa* (CLOSED GENTIAN), not distinguished from *G. andrewsii* in the manuals used by Thoreau.

136. Thoreau citations to "polygonum" in the Concord area do not include *Tovara virginiana* (VIRGINIA KNOTWEED), which was unknown in the area in Thoreau's time.

137. Included here would be *Geranium bicknellii* (BICKNELL'S CRANESBILL), which was not distinguished in Thoreau's time.

138. *Gerardia purpurea* in the restricted Gray's *Manual* 8th ed. sense occurs only near the coast in New England. All of Thoreau's uses of the name apply to *G. paupercula*, which occurs inland and was not distinguished from *G. purpurea* in his time.

139. *Geum laciniatum* was not distinguished in the manuals used by Thoreau from *Geum virginianum* in the restricted Gray's *Manual* 8th ed. sense. This latter species is unknown in the Concord area.

140. The specimen labeled "*Glyceria elongata*" in Thoreau's herbarium associated with XIII 387 has been identified as *Glyceria canadensis* (RATTLESNAKE GRASS).

141. These two species were not distinguished in Thoreau's time from *Glyceria fluitans* in the restricted *Gray's Manual* 8th ed. sense. This latter species is known in Massachusetts only in Nantucket.

142. It is unclear under which name Thoreau included this common grass. Possibilities are "*Glyceria pallida*," "meadow-grass," and "fowl-meadow grass." The species *Poa palustris* (FOWL-MEADOW GRASS) resembles *Glyceria striata*, and the common name has been applied to both species.

143. The context is not sufficient to determine which of these two species is indicated.

144. *Goodyera* and *Spiranthes* were once considered to belong to the same genus, *Neottia*. The name "*Goodyera gracilis*" does not exist, but the entity intended is clear. *Spiranthes lacera* and *Spiranthes gracilis* were not distinguished from each other in the manuals used by Thoreau.

145. *Goodyera repens* (DWARF RATTLESNAKE-PLANTAIN) in the restricted *Gray's Manual* 8th ed. sense is unknown in the Concord area. *G. tessellata* was not distinguished from it in the manuals used by Thoreau.

146. The only gooseberry native to Concord is *Ribes hirtellum* (SMOOTH GOOSEBERRY).

147. The common species in the Concord area is *Vitis labrusca* (FOX GRAPE).

148. The common species in the Concord area is *Gratiola aurea* (GOLDEN HEDGE HYSSOP).

149. The referent of these two citations seems to be *Vaccinium* spp. (BLUEBERRY, CRANBERRY)/*Gaylussacia* spp. (HUCKLEBERRY).

150. This is not a particular plant but refers to a tree in a "greenwood." See also II 144.

151. The identity of this citation is uncertain but might be Thoreau's "hedgehog sedge," *Cyperus esculentus* (YELLOW NUTGRASS).

152. The two species recorded in Concord are *Stachys tenuifolia* (COMMON HEDGE NETTLE) and *Stachys palustris* (MARSH HEDGE NETTLE). The former species is the more common one and is presently called *Stachys hispida*.

153. Included here would be *Helianthemum bicknellii* (HOARY FROSTWEED), not distinguished in Thoreau's time.

154. The citation's context is insufficient to determine whether *Cicuta maculata* (WATER HEMLOCK, SPOTTED COWBANE) or *Conium maculatum* (POISON HEMLOCK) is intended. Both are poisonous. The former is common in Concord and is native. The latter is an escape (an introduced plant that spreads into the wild) in New England that has yet to be recorded in Concord.

155. It is likely that the identity of the plant in question is *Galeopsis tetrahit* (HEMP NETTLE), which resembles *Urtica dioica* (STINGING NETTLE).

156. Citation VII 383 evidently turns out to be *Alopecurus* spp. (FOXTAIL).

157. This species has not been recorded in Concord. Thoreau evidently mistook some specimens of *Hieracium venosum* (RATTLESNAKE-WEED) and *Hieracium scabrum* (ROUGH HAWKWEED) for it (as he realized himself eventually).

158. *Houstonia caerulea* (BLUETS) is the common species in New England.

159. Citations in volumes I-III may include *Vaccinium* spp. (BLUEBERRY). In volume IV Thoreau begins to understand the different species of BLUEBERRY and HUCKLEBERRY that occur in Concord. Citations in volumes V-XIV usually use the term "huckleberry" in the restricted *Gray's Manual* 8th ed. sense of *Gaylussacia* spp., especially *G. baccata* (BLACK HUCKLEBERRY), which is the common species in the Concord area.

160. This is a type of gall, most likely the fungus *Exobasidium uaccinii*.

161. This species is not known in New England. From Thoreau's description on VIII 427-28 the actual identity is almost certainly *Hypericum majus* (LARGER CANADA ST. JOHN'S-WORT), a species not distinguished in Thoreau's time.

162. Included here would be *Hypericum boreale* (NORTHERN ST. JOHN'S WORT), not distinguished in Thoreau's time.

163. The context seems to indicate that this is a mistranscription of "interrupted fern," *Osmunda claytoniana* (INTERRUPTED FERN). However, *Dryopteris spinulosa* var. *intermedia* (SPINULOSE WOODFERN) is a possibility.

164. The name "*Iris virginica*" can be associated with three modern species: *I. versicolor*, *I. virginica*, or *I. prismatica*. The manuals Thoreau used applied it to the iris similar to, but smaller than, *I. versicolor*. In New England this would be *Iris prismatica* (SLENDER BLUE FLAG).

165. The name "iron-wood" has been applied to *Ostrya virginiana* (EASTERN HOPHORNBEAM) and *Carpinus caroliniana* (AMERICAN HORNBEAM). Citation V 227 suggests that Thoreau applied it to *Ostrya virginiana*.

166. This is not a plant name. See the last sentence of Thoreau's "*A Yankee in Canada*."

167. These two citations refer to *Hypericum perforatum* (COMMON ST. JOHN'S-WORT).

168. This is probably *Hypericum majus* (LARGER CANADA ST. JOHN'S-WORT).

169. The specimen in Thoreau's herbarium associated with citation XI 137 has been identified as *Juncus brevicaudatus* (NARROW RUSH).

170. The specimen in Thoreau's herbarium associated with this citation has been identified as *Juncus canadensis* (MARSH RUSH).

171. Specimens in Thoreau's herbarium to which he applied this name have been identified as *Juncus pelocarpus* (BROWN-FRUITED RUSH). The description of *Juncus conradi* in Gray's *Manual of Botany* 2nd ed. of Thoreau's time corresponds to a species known in New England only in Maine (*Juncus subtilis*).

172. This species has not been recorded in Concord. Specimens in Thoreau's herbarium associated with citations X 392 and XIII 321 have been identified as *Juncus balticus* (SHORE RUSH).

173. This name includes several Gray's *Manual* 8th ed. species. Of these only *Juncus canadensis* and *Juncus brevicaudatus* are known in Concord. The specimens in Thoreau's herbarium to which he applied this name have been identified as *Juncus canadensis* (MARSH RUSH).

174. This species is not known in New England. The specimens in Thoreau's herbarium to which he applied this name have been identified as *Juncus canadensis* (MARSH RUSH).

175. Included here would be *Juncus platyphyllus* and *Juncus secundus*, not distinguished in the manuals used by Thoreau.

176. Only a few ambiguous citations (III 292, IV 221, VIII 423, X 19, and XI 402) might apply to *Juglans nigra* (BLACK WALNUT), which is not native to the Concord area.

177. This name could refer to *Viola pallens* (NORTHERN WHITE VIOLET), *Viola blanda* (SWEET WHITE VIOLET), or *Viola incognita* (LARGE-LEAVED WHITE VIOLET). *V. pallens* is the common species in the Concord area, while the latter two species are rare.

178. *Larix laricina* (TAMARACK) is the only species of this genus native to New England. However, *Larix decidua* (EUROPEAN LARCH) is frequently planted in yards and parks but rarely escapes to the wild.

179. The description for this name in Bigelow's *Florula Bostoniensis* corresponds best to *Lechea intermedia* (INTERMEDIATE PINWEED) of those species that occur in the Concord area.

180. Citations XIV 67, 68 refer only to *Spirodela polyrhiza* (WATER-FLAXSEED).

181. This is evidently a mistranscription of "*Lespedeza angustifolia*," referring to *Lespedeza violacea* var. *angustifolia*, which is the *Lespedeza virginica* (SLENDER BUSH-CLOVER) of Gray's *Manual* 8th ed.

182. *Lespedeza stuevei* in the restricted Gray's *Manual* 8th ed. sense is unknown in the Concord area. The specimen in Thoreau's herbarium to which he applied this name has been identified as *Lespedeza nuttallii* (NUTTALL'S BUSH-CLOVER) of Gray's *Manual* 8th ed., but now considered to be a hybrid.

183. Included here would also be *Lespedeza virginica* (SLENDER BUSH CLOVER) and *Lespedeza intermedia* (WAND-LIKE BUSH-CLOVER) (now considered a hybrid). The specimens in Thoreau's herbarium labeled "*Lespedeza violacea*" by him have been identified as *Lespedeza nuttallii* (NUTTALL'S BUSH-CLOVER) (now considered a hybrid) and *L. intermedia* (WAND-LIKE BUSH CLOVER) (now considered to be a name misapplied to *Lespedeza violacea*).

184. *Liatris borealis* (NORTHERN BLAZING-STAR) of Gray's *Manual* 8th ed. is now considered to be a name misapplied to *Liatris scariosa*.

185. This name encompasses *Nymphaea odorata* (SWEET-SCENTED WATER LILY), *Nuphar* spp. (YELLOW POND LILY), *Lilium* spp. (LILY), and *Hemerocallis fulva* (DAY LILY). Citations referring to pads or an aquatic habitat indicate either *Nymphaea odorata* or *Nuphar* spp. Citation VI 450 is intended (mistakenly) in the sense of "*Liliaceae* (LILY FAMILY)."

186. This name usually refers to *Lilium philadelphicum* (WOOD LILY) but here is used as a local name for another species.

187. This might be either *Robinia viscosa* (CLAMMY LOCUST) or *Robinia hispida* (BRISTLY LOCUST).

188. Aside from citation VII 75, which refers specifically to *Nelumbo lutea* (AMERICAN LOTUS), Thoreau uses this name for purposes of comparison. *Nelumbo nucifera* is the SACRED LOTUS of India. *Nymphaea lotus* is EGYPTIAN LOTUS. *Nelumbo lutea* was introduced (and has spread) in Concord after Thoreau's time.

189. Included here would be *Lycopodium tristachyum* (GROUND CEDAR) and *Lycopodium sabinaefolium* (SAVIN-LEAVED CLUBMOSS), not clearly distinguished in the manuals used by Thoreau. The latter species is unknown in the Concord area. Citation XIV 27 is the only one that might refer to *L. sabinaefolium* (now considered to be a hybrid under a different genus name).

190. Included here would be *Lycopus uniflorus* (NORTHERN BUGLEWEED), not distinguished in the manuals used by Thoreau.

191. *Lysimachia lanceolata* in Thoreau's time included *Lysimachia hybrida* as a variety. *Lysimachia lanceolata* in the restricted Gray's Manual 8th ed. sense is not known in New England.

192. The citation almost certainly refers to *Majorana hortensis* (SWEET MARJORAM).

193. Although "meadow-grass" can be used in a limited sense for *Poa* spp. (MEADOW-GRASS), Thoreau's use appears to be generalized as indicated by citation XII 204. Only sample citations are given here.

194. The common species in Concord is *Thalictrum polygamum* (TALL MEADOW-RUE).

195. This was the only species of this genus known in Concord until 1900.

196. *Mentha cardiaca* (SMALL-LEAVED MINT) and *Mentha gentilis* (SPOTTED MINT), not distinguished in the manuals used by Thoreau, would be included here. Neither has been recorded in Concord in the wild, but *M. cardiaca*, now considered a hybrid under a different name, has been recorded from Lincoln, MA.

197. It is not clear for this citation whether Thoreau mistakenly equates the name "*Menziesia caerulea*" with *Diapensia lapponica* (DIAPENSIA), or whether he inserts the name to remind himself that the same locality data apply to the *Phyllodoce caerulea*

(MOUNTAIN HEATH), or possibly to indicate uncertainty about the identity of the plant.

198. *Mentha arvensis* (WILD MINT) appears to be the only species that fits the context of this citation.

199. It is uncertain whether Thoreau refers to *Phoradendron flavescens* (AMERICAN MISTLETOE) or *Viscum album* (EUROPEAN MISTLETOE).

200. This name is usually applied to *Viburnum edule* (SQUASHBERRY, MOOSE-BERRY).

201. Most, if not all, of the citations refer to *Convolvulus sepium* (HEDGE BINDWEED).

202. The specimen in Thoreau's herbarium that he applied this name to appears to be correctly identified. However, this species has not been recorded in the Concord area and is unlikely to be native to the area.

203. Included here would be *Muhlenbergia frondosa* (SATIN GRASS), not distinguished in the manuals used by Thoreau. The specimens in Thoreau's herbarium indicate that he was familiar only with *Muhlenbergia mexicana* in the restricted *Gray's Manual* 8th ed. sense.

204. This is most probably *Myosotis verna* (SPRING FORGET-ME-NOT).

205. Most of the citations appear to refer to *Spiranthes* spp. (LADIES'-TRESSES). Citation III 476 is the only clear reference to *Goodyera* spp. (RATTLESNAKE PLANTAIN).

206. This is a genus of fossil seed ferns that dates from the Devonian to the Triassic periods.

207. *Solanum dulcamara* (BITTER NIGHTSHADE) is the common species in Concord. Thoreau does not discover another *Solanum* in Concord until IX 88.

208. *Nuphar advena* is not known in the Concord area.

209. *Nymphaea tuberosa* (TUBEROUS WATER LILY), not distinguished in Thoreau's time and which would be included here, has apparently invaded eastern Massachusetts only recently (20th century}.

210. These citations refer to oak galls formed by gall wasps (*Cynipidae*), especially those of the genus *Amphibolips*.

211. This citation refers to some oaks near which Thoreau found *Gerardia virginica* (DOWNY FALSE-FOXGLOVE).

212. *Quercus lyrata* (OVERCUP OAK) is not known in New England as a native tree and is rarely (if ever) planted in eastern Massachusetts.

213. This is the oak in which Charles II hid after the battle of Worcester (1651).

214. Citations referring to "shrub oaks" on a plain near the Cliffs (as on II 305, III 16,40,144,190,391, and IV 89) apply to sprout oaks of various species as Thoreau notes on IV 486. It appears that he applied this name in volumes I, II, and III to any shrub-like oak.

215. See in particular IV 486 for the use of "shrub oak" in this combination. The proper name "Shrub Oak Plain" occurs on IV 486, V 167, VIII 280, and XI 262.

216. This is *Quercus velutina* (BLACK OAK) near which Thoreau found *Solidago speciosa* (SHOWY GOLDENROD) (Thoreau's "*Solidago rigida*"). See X 30.

217. Citation I 132 might refer to some other species of grass (e.g., Thoreau's "meadow oat-grass").

218. Thoreau later (XII 208) determined that the grass in question was *Festuca* spp. (FESCUE GRASS).

219. Included here would be *Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE) and *Oenothera cruciata* (CROSS-SHAPED EVENING PRIMROSE), considered varieties of one species in Gray's *Manual of Botany* 2nd ed. The latter has not been recorded in Concord. *O. biennis* in the restricted Gray's *Manual* 8th ed. sense is the common species in dry soil and waste places. *O. parviflora* is less common in Concord, occurring typically in moist places.

220. *Oryzopsis canadensis* in the Gray's *Manual* 8th ed. sense is not known in Massachusetts.

221. The context is not clear enough to determine whether Thoreau had in mind the European *Viburnum lantana* (WAYFARING TREE) or *Viburnum alnifolium* (HOBBLEBUSH), also known as AMERICAN WAYFARING TREE.

222. The name "osier" applies primarily to the flexible and seasonally bright colored branchlets of *Salix alba* (WHITE WILLOW) and *Cornus stolonifera* (RED-OSIER DOG WOOD), respectively yellow and red. It is likely that some citations refer to the similar

species *Salix babylonica* (WEEPING WILLOW) and *Cornus amomum* (SILKY DOGWOOD).

223. The context of the citations indicates that Thoreau refers primarily (if not exclusively) to *Chimaphila umbellata* (PIPSISSEWA).

224. Thoreau uses this as a proper name. The citations are V 159,220, VI 324, VIII 356,357,358, IX 52,57,399, X 88,481, XI 158, and XIII 342,425.

225. The name "palm" applies to any member of the family *Arecaceae* (PALM FAMILY).

226. The name "panic" or "panic grass" as used in Thoreau's time would include *Panicum* spp. (PANIC GRASS), *Digitaria* spp. (CRAB GRASS), *Echinocloa* spp., and *Setaria* spp. (BRISTLY FOXTAIL).

227. Included under this name are five *Gray's Manual* 8th ed. species. Of these only *Panicum capillare* (OLD WITCH GRASS) in the restricted sense and *Panicum philadelphicum* (WOOD WITCH GRASS) have been recorded in Concord. The former is the common species in New England. The specimen in Thoreau's herbarium associated with XI 145 has been identified as *P. capillare* in the *Gray's Manual* 8th ed. sense.

228. The specimen in Thoreau's herbarium associated with XI 141 has been identified as *Panicum oligosanthos* (FEW-FLOWERED PANIC GRASS), that associated with XI 150 has been identified as *Panicum spretum* (EATON'S PANIC GRASS).

229. Included here would be *Panicum boscii* (BOSC'S PANIC GRASS), not distinguished in the manuals used by Thoreau. It has not been recorded in Concord but might occur.

230. Citation IV 234 is either speculation based on the resemblance of *Sium suave* (WATER PARSNIP) to the poisonous *Cicuta maculata* (WATER HEMLOCK, SPOTTED COWBANE) or possibly a direct reference to this poisonous species (which is sometimes called "wild parsnip").

231. The particular species might be *Artemisia caudata* (TALL WORMWOOD), the only New England *Artemisia* species that typically occurs in sandy soil along the coast.

232. This is very likely a variation of the common name "juice pear."

233. This is a particular cultivar.

234. The common species in Concord is *Phalaris arundinacea* (REED CANARY-GRASS).

235. Bacon's *History of Natick* (Thoreau's source) reads "*Xyris aquatica* Mich. (yellow-eyed grass)." The stated author of the name, Andre Michaux, does not list this name in his *Flora Boreali-Americana* but does list *Xyris jupacai*. The name "*Xyris aquatica*" does not occur in any manual or modern synonymy. Bigelow's *Florula Bostoniensis* lists *Xyris jupacai* Mich. as the only species in the Boston vicinity. It is evident that "*Xyris aquatica*" is a spurious name and that "*Xyris jupacai*" was intended. Four species of *Xyris* are found in New England and in the Boston-Concord area. But only two have been recorded in Concord (*X. montana* and *X. torta*)

236. This refers to pine seed.

237. This name refers to the fine-grained wood of especially fine, old specimens of *Pinus strobus* (EASTERN WHITE PINE), which has the property that it can be cut easily in any direction - like a pumpkin.

238. Of these two closely related species, *Platanus acerifolia* is the foreign plane-tree most commonly planted in New England.

239. Included here would be *Plantago rugelii* (RED-STEMMED PLANTAIN), not distinguished in the manuals used by Thoreau.

240. The context is not clear enough for these citations to determine the species with certainty, but Thoreau probably refers to *Prunus domestica* (GARDEN PLUM).

241. *Polygonatum biflorum* in the *Gray's Manual* 8th ed. sense is known in New England only in Connecticut. The more modern concept of this species has it in southern New England and partly extending into Vermont, New Hampshire and Maine.

242. Citation IV 310 is a misidentification. The plant in question is *Streptopus* spp. (TWISTED STALK).

243. Included here would be *Polygonum coccineum* (SWAMP SMARTWEED), not well distinguished from *Polygonum amphibium* (WATER SMARTWEED) in Thoreau's time. Additional confusion arises because of the aquatic and terrestrial forms of each species. Thoreau concludes correctly on X 21 that these forms do not constitute distinct varieties since they can occur in the same plant. *P. coccineum* is the common species. *P. amphibium* was uncommon in the Concord area in Thoreau's time. All of the citations indicate, or are consistent with, *P. coccineum* except the following: Citation IV 322 appears to correspond to *P. amphibium* in the *Gray's Manual* 8th ed. sense. Citations II 425 and IV 247 might apply to either species. More modern treatments regard these as one species under a different genus name.

244. These two species were not distinguished from each other in the manuals used by Thoreau. More modern treatments combine *Polygonum scandens* and *P. cristatum* under one species name with a different genus name.

245. The *Polygonum* specimen in Thoreau's herbarium that he labeled "front-rank" has been identified as *Polygonum hydropiperoides* (MILD WATER PEPPER). The few descriptive bits of information in the citations are consistent with this identification. Nonetheless, Thoreau distinguished front-rank polygonum from *Polygonum hydropiperoides* in his own mind. He did this primarily on the basis of flower color—consistently referring to the white flowers of *P. hydropiperoides* (which is not the typical color even according to his own Gray's *Manual of Botany* 2nd ed.) as opposed to the rose-colored flowers of front rank polygonum (the typical color for *P. hydropiperoides*). Also, the leaves of front-rank polygonum are smaller and the plant grows lower and farther out into the water. None of these features are characters that separate species. It is evident that he was confused by two forms of the same species, a confusion that also occurs with respect to the other two aquatic *Polygonum* species (*P. coccineum* and *P. amphibium*), but which are now considered the same species.

246. This is most likely *Polygonum robustius* (STOUT SMARTWEED).

247. This group (apple family) is now included in *Rosaceae* (ROSE FAMILY).

248. Citations IV 149,169 probably refer, indeed, to *Potamogeton natans* (FLOATING PONDWEED).

249. Thoreau is mistaken either about the sex or the identity of the plant in question since staminate individuals of this hybrid are unknown.

250. This is probably *Potamogeton natans* (FLOATING PONDWEED) but might also be *Potamogeton amplexifolius* (LARGE-LEAVED PONDWEED).

251. On the basis of the description in Gray's *Manual of Botany* 2nd ed., this name would best correspond to *Potamogeton epihydrus* (SURFACE PONDWEED) or *Potamogeton gramineus* (GRASS-LEAVED PONDWEED).

252. Included here would be *Potamogeton oakesianus* (OAKES' PONDWEED), not distinguished in Thoreau's time. It is less common in Concord than *Potamogeton natans* (FLOATING PONDWEED) in the Gray's *Manual* 8th ed. sense and occurs typically in ponds rather than streams.

253. This is a variety of the common cultivated potato. See the article by Duncan Porter in *Taxon* 31 (August 1982), p. 504 for identification.

254. *Potentilla anserina* in the *Gray's Manual* 8th ed. sense is not known in southeastern Massachusetts. Modern authorities consider *P. anserina* and *P. egedei* to be varieties of the same species.

255. On the basis of *Gray's Manual of Botany* 2nd ed., *Potentilla simplex* (COMMON CINQUEFOIL) would be included here, but the context of these citations indicates *Potentilla canadensis* (DWARF CINQUEFOIL) in the *Gray's Manual* 8th ed. sense.

256. The context of citation III 65 better fits *Oenothera biennis* (COMMON EVENING PRIMROSE) or *Oenothera parviflora* (SMALL-FLOWERED EVENING PRIMROSE).

257. The common species in Concord is *Ilex verticillata* (COMMON WINTERBERRY).

258. *Ligustrum vulgare* (COMMON PRIVET) and *Ligustrum obtusifolium* are the most most frequently escaping ones in New England..

259. Included here would be *Proserpinaca intermedia*, a rare species (or hybrid), not distinguished in Thoreau's time.

260. Included here would be *Prunus nigra* (CANADA PLUM), not distinguished from *Prunus americana* (AMERICAN PLUM) in the manuals used by Thoreau.

261. Included here would be *Prunus susquehanae* (SAND CHERRY), not distinguished from *Prunus depressa* (DWARF CHERRY) in the manuals used by Thoreau. Citations II 12 and IV 100 refer to *P. susquehanae*. Citations IX 75,499 refer to *P. depressa* in the *Gray's Manual* 8th ed. sense.

262. Citation II 266 evidently applies this name in the sense used by Bigelow which refers to *Pyrola virens* (GREENISH-FLOWERED PYROLA). Citation IV 129 is evidently a mistaken application of the name to *Pyrola rotundifolia* (ROUND-LEAVED PYROLA) since *Pyrola asarifolia* in the *Gray's Manual* 8th ed. sense is unknown in eastern Massachusetts.

263. Thoreau applies this name primarily to CHOKEBERRY (*Pyrus* spp.) and occasionally to SHADBUSH (*Amelanchier* spp.). Citation II 211 refers to APPLE, CRABAPPLE (*Pyrus* spp.). *Gray's Manual* 8th ed. also includes MOUNTAIN-ASH under this genus name.

264. *Pyrus melanocarpa* (BLACK CHOKEBERRY) and *Pyrus floribunda* (PURPLE CHOKEBERRY) were not distinguished as species in the manuals used by Thoreau (or by some modern authorities). *Pyrus arbutifolia* (RED CHOKEBERRY) in the *Gray's Manual* 8th ed. sense has not been recorded in Concord.

265. The name corresponds to *Amelanchier sanguinea* (ROUNDLEAF SHADBUSH), which is unknown in eastern Massachusetts. The identity of the plant is clearly *Amelanchier stolonifera* (RUNNING SHADBUSH).
266. Included here would be *Quercus marilandica* (BLACKJACK OAK), not distinguished in the manuals used by Thoreau. Neither species is known in New England.
267. Included here would be *Senecio pauperculus* (BALSAM RAGWORT) and *Senecio obovatus* (ROUND-LEAVED RAGWORT), not distinguished in the manuals used by Thoreau. Both occur in eastern Massachusetts but have not been recorded in Concord.
268. Included here would be *Ranunculus allegheniensis* (ALLEGHENY CROWFOOT), not distinguished in Thoreau's time, and *Ranunculus micranthus* (ROCK CROWFOOT), considered a variety of *R. abortivus* in Gray's *Manual of Botany* 2nd ed. Neither has been recorded in Concord.
269. This is a mistranscription of "*Ranunculus reptans* var. *filiformis*."
270. This is probably *Ranunculus flabellaris* (YELLOW WATER BUTTERCUP).
271. The common species in Concord is *Goodyera pubescens* (DOWNY RATTLE SNAKE-PLANTAIN).
272. This particular citation refers to *Rhododendron maximum* (ROSEBAY RHODODENDRON).
273. Citation XI 288 would not apply to *Rosa carolina* (PASTURE ROSE), which occurs in dry habitats.
274. This is evidently a type of algae, most likely *Chorda filum*.
275. This name corresponds to several trailing or low-arching species and not to *Rubus canadensis* in the sense of Gray's *Manual* 8th ed. The most common species in the group that occurs in Concord is *Rubus flagellaris* (NORTHERN DEWBERRY).
276. *Rubus frondosus* (LEAFY-BRACTED BLACKBERRY) in the sense of Gray's *Manual* 8th ed. is unknown in the Concord area.
277. *Rudbeckia hirta* (BLACK-EYED SUSAN) in the Gray's *Manual* 8th ed. sense is unknown in eastern Massachusetts.
278. The common species in Concord is *Thalictrum polygamum* (TALL MEADOW RUE).

279. Thoreau applied this name primarily to *Scirpus* spp. (BULRUSH) and *Juncus* spp. (RUSH), but occasionally to other genera such as *Equisetum hyemale* (SCOURING RUSH) (VII 81) and *Cladium mariscoides* (TWIG-RUSH) (XI 139). Because of the generality of this name citations were not collected.

280. This name would apply to any of three species in Concord: *Juncus tenuis* (YARD RUSH), *Juncus platyphyllus*, or *Juncus secundus*. Modern treatments include *Juncus platyphyllus* in *J. tenuis*.

281. This probably refers to *Scirpus validus* (GREAT BULRUSH).

282. *Salix cordata* in the Gray's Manual 8th ed. sense is unknown in the Concord area.

283. *Salix eriocephala* in the Gray's Manual 8th ed. sense is unknown in New England, but in the broader, modern sense is found throughout New England and in Concord.

284. *Salix repens* in the modern sense is a Eurasian species not known in New England.

285. This is a hybrid between *Salix alba* (WHITE WILLOW) and *Salix fragilis* (CRACK WILLOW).

286. In Thoreau's time this name could apply to *Scirpus* spp. (BULRUSH), *Bulbostylis capillaris*, *Fimbristylis autumnalis*, or *Eleocharis* spp. (SPIKE-RUSH).

287. This name corresponds in New England to three species not distinguished in Thoreau's time: *Scirpus purshianus* (PURSH'S CLUB RUSH), *Scirpus smithii* (SMITH'S CLUB RUSH), and *Scirpus hallii* (HALL'S CLUB RUSH). Of these only *S. purshianus* has yet been recorded in Concord.

288. This name in New England corresponds to five species not distinguished in Thoreau's time. Of these only *Scirpus cyperinus* (COMMON WOOL-GRASS), *Scirpus atrocinctus* (DUSKY WOOL-GRASS), and *Scirpus longii* (LONG'S WOOL-GRASS) are known in Concord.

289. Included here would be *Scirpus acutus* (HARD-STEM BULRUSH), not distinguished in Thoreau's time and not recorded in Concord but which might occur there.

290. Included here would be two additional species not distinguished in Thoreau's time: *Scirpus robustus* (STOUT BULRUSH) and *Scirpus paludosus* (BAYONETGRASS). The citation most likely refers to *S. paludosus* or *S. maritimus* in the Gray's Manual 8th ed. sense.

291. This name in New England corresponds to three species not distinguished in Thoreau's time: *Scirpus rubrotinctus* (RED BULRUSH), *Scirpus atrovirens* (DUSKY BULRUSH), and *Scirpus expansus* (WOODLAND BULRUSH). However, the specimen in Thoreau's herbarium, labeled by him "*Scirpus sylvaticus*, Great Meadows, May 28," has been identified as *Scirpus longii* (LONG'S WOOL-GRASS).

292. Thoreau evidently was unable to distinguish these two species until XIII 244.

293. Included here would be *Sedum purpureum* (LIVE-FOREVER), not distinguished in the manuals used by Thoreau and not distinguished from *Sedum telephium* (LIVEFOREVER) by many modern botanists.

294. "Senelle" or "cenelle" is French for the fruit of HAWTHORN. The Canadianism is actually "cenellier" or "senellier."

295. One of the specimens in the Thoreau herbarium labeled by him as this species has been identified as *Sericocarpus linifolius* (NARROW-LEAVED WHITE-TOPPED ASTER).

296. This name was sometimes applied to a wide-leaved form that is not now considered to be a separate species.

297. In Thoreau's time these were usually included in the same genus.

298. Thoreau questions his own use of this name. He apparently applied it either to *Smilacina racemosa* (FALSE SOLOMON'S-SEAL) or to *Streptopus* spp. (TWISTED STALK).

299. This name refers to the family of ferns *Ophioglossaceae* (ADDER'S-TONGUE FAMILY) in which *Lygodium palmatum* (CLIMBING FERN) was at one time included.

300. This particular citation refers to *Solanum dulcamara* (BITTER NIGHTSHADE).

301. Included here would be *Solanum americanum* (AMERICAN NIGHTSHADE), not distinguished in the manuals used by Thoreau. The specimen in Thoreau's herbarium to which he assigned this name has been identified as *S. americanum*.

302. This is an evident mistranscription of "*Solidago altissima*" (old usage).

303. This correspondence is made on the basis of descriptions in Gray's *Manual of Botany* 2nd ed. and Gray's *Manual* 8th ed.

304. Included here would be *Solidago altissima* (TALL GOLDENROD), not distinguished in the manuals used by Thoreau.

305. This species is unknown in eastern Massachusetts. The specimen in Thoreau's herbarium to which he applied this name has been identified as *Solidago speciosa* (SHOWY GOLDENROD).

306. This species is unknown in New England. The specimens in Thoreau's herbarium to which he applied this name have all been identified as *Solidago uliginosa* (SWAMP GOLDENROD).

307. Included here would be *Solidago elliottii* (ELLIOTT'S GOLDENROD), not distinguished in the manuals used by Thoreau and not recorded in Concord but which might occur there.

308. This name corresponds to *Solidago stricta* (WAND-LIKE GOLDENROD), which is unknown in New England. The context indicates that the plant in question is probably *Solidago juncea* (EARLY GOLDENROD).

309. This is a corruption of "sops in wine" -- a type of APPLE (*Pyrus malus*).

310. Included here would be *Sparganium androcladum* (BRANCHING BUR-REED), not distinguished in Thoreau's time.

311. *Spartina cynosuroides* (SALT REED-GRASS) in the *Gray's Manual* 8th ed. sense is limited in Massachusetts to the vicinity of Cape Cod and Nantucket.

312. Included here would be *Spiranthes lacera* (NORTHERN SLENDER LADIES'. TRESSES), not distinguished in the manuals used by Thoreau.

313. References to native spruce in Concord are to *Picea mariana* (BLACK SPRUCE) almost certainly without exception. The very few instances of *Picea rubens* (RED SPRUCE) found in Concord are in situations that suggest introduction after Thoreau's time. *P. rubens* was not distinguished in Thoreau's time.

314. This name corresponds to *Picea glauca* (WHITE SPRUCE), but Thoreau applies it in error to *Picea mariana* (BLACK SPRUCE). See note 313.

315. Citations II 199, V 430, IX 378,414,494, and X (24) are the only ones that actually refer to *Picea glauca* (WHITE SPRUCE). The others are misidentifications of *Picea mariana* (BLACK SPRUCE). See note 313.

316. The abundant species in Concord is *Stellaria media* (COMMON CHICKWEED).

317. Thoreau might also have applied this name to *Stellaria graminea* (LESSER STITCHWORT), which is abundant in New England.

318. This species is not known in New England. It most closely resembles *Stellaria graminea* (LESSER STITCHWORT). Thoreau might have intended to refer to *S. longifolia*.

319. *Gray's Manual* 8th ed. treated English sweet-briar , *Rosa rubiginosa*, as part of *Rosa eglantheria* (SWEET-BRIER). But more recently *R. eglantheria* has been included in *R. rubiginosa*.

320. Included here would be *Symphytum asperum* (ROUGH COMFREY), not distinguished in the manuals used by Thoreau.

321. This is almost certainly *Pyrus angustifolia* (SOUTHERN CRABAPPLE), whose leaves, unlike those of most crabapples, are often evergreen. The name "tea-tree" is more often applied in the United States to *Ilex vomitoria* (YAUPON) which has evergreen leaves but is not an apple tree and reaches its northern limit of distribution in southeastern Virginia.

322. Included here would be *Viburnum opulus* (GUELDER.ROSE), a very similar species from Europe not distinguished in the manuals used by Thoreau. It is an infrequent escape in Concord. The two species are considered varieties of a single species by some modern botanists.

323. In Concord the recorded species of this subgroup of *Scirpus* (BULRUSH) are *S. cyperinus*, *S. atrocinctus*, and *S. longii*.

324. *Triglochin palustris* is known in New England only in Maine. Thoreau misapplies this name to the common *Triglochin maritima* (SEASIDE ARROW GRASS).

325. *Triosteum perfoliatum* (WILD COFFEE) in the *Gray's Manual* 8th ed. sense is unknown in the Concord area.

326. The identity of this citation is determined by reference to later citations XIV 55,75,158, where Thoreau correctly distinguishes the grainfield weed *Brassica napus* (TURNIP) from the similar and more common *Brassica rapa* (FIELD MUSTARD) (or *B. campestris*).

327. [No note is needed here.]

328. This subfamily of *Ericaceae* (HEATH FAMILY) included *Vaccinium* spp. (BLUEBERRY, CRANBERRY), *Gaylussacia* spp. (HUCKLEBERRY), and *Gaultheria hispidula* (CREEPING SNOWBERRY).

329. *Vicia cracca* (COW VETCH) was the common species in Concord in Thoreau's time.

330. *Viburnum dentatum* in the *Gray's Manual* 8th ed. sense is unknown in the Concord area. More modern treatments include *Viburnum recognitum* as a variety of *V. dentatum*.

331. As a wild plant this species in New England is restricted to southwestern Connecticut. The identity of the plant for citation VI 445 is *Viburnum cassinoides* (WITHE-ROD).

332. Included here would be *Viola pallens* (NORTHERN WHITE VIOLET) and *Viola incognita* (LARGE-LEAVED WHITE VIOLET), not distinguished in the manuals used by Thoreau. *V. pallens* is the common species in the Concord area. Modern treatments include *V. incognita* under *V. blanda*.

333. [No note is needed here.]

334. [No note is needed here.]

335. Included here would be *Viola brittoniana* (COAST VIOLET) and *Viola triloba* (THREE-LOBED VIOLET), not distinguished in the manuals used by Thoreau. The context of the citations indicates that *V. brittoniana* is the species referred to. *Viola palmata* in the *Gray's Manual* 8th ed. sense and *V. triloba* are as yet unrecorded in Concord. Some modern treatments include *V. triloba* within *V. palmata*.

336. Included here would be *Viola pensylvanica* (SMOOTH YELLOW VIOLET), not distinguished in the manuals used by Thoreau. Some modern treatments include *Viola pensylvanica* as a variety of *V. pubescens*. Both are relatively rare in the Concord.

337. Included here would be *Viola fimbriatula* (OVATE-LEAVED VIOLET). Some modern treatments include *V. fimbriatula* within a variety of *V. sagittata*. *V. fimbriatula* occurs in Concord, but typical *V. sagittata* in the *Gray's Manual* 8th ed. sense is as yet unrecorded in Concord.

338. This reference, if not a mistranscription, probably represents a slip of thought - Thoreau thinking of the fleur-de-lis emblem but writing "acanthus," which refers to another stylized plant with a recurved aspect. If this is so, the plant in question is *Iris versicolor* (LARGER BLUE FLAG), which would be in blossom on the date of the citation.

339. Included here would be *Amaranthus graecizans* (TUMBLEWEED), not distinguished in the manuals used by Thoreau.

340. Included here would also be *Oxalis stricta* (in the *Gray's Manual* 8th ed. sense),

O. filipes, and *O. florida*. These, along with *O. europaea*, were not distinguished from *O. stricta* in the manuals used by Thoreau. Modern treatments include *O. europaea* within *O. stricta*, and *O. filipes* within *O. florida*. Of these, only *O. stricta*, the common yellow species in New England, has yet been recorded in Concord.

341. The "red oak" of Joe Hosmer is evidently *Quercus velutina* (BLACK OAK), the bark of which is unusually rich in tannic acid. *Q. velutina* is often lumped with other oaks as "red oak" by lumbermen.

342. The name "*Sparganium minor*" is not a published botanical name. It is a name coined by Rev. John Russell, a professional level botanist, while meeting with Thoreau on August 18, 1854 (VI 450) in describing one of Thoreau's *Sparganium* specimens found in Concord, Massachusetts. Based upon the features of the plant mentioned, the plant could be either *Sparganium americanum* or *S. chlorocarpum*, both known from Concord. Thoreau uses the made-up name later only once, on September 5, 1854 (VII 13).

343. The species *Amaranthus hypochondriacus* is an uncommon escape that is native to southwestern North America. It was distinguished in the first (1848) and second (1856) editions of Gray's *Manual of Botany* used by Thoreau, but many manuals after Thoreau's time treated it as a form of the common, native *Amaranthus hybridus*. It is not included in Gray's *Manual* 8th ed., but is recognized in more modern floras that include New England. Thoreau's *Journal* reference at IV 351 has the proper description and habitat to be this species.

344. The species *Prenanthes trifoliata* was not distinguished from *Prenanthes alba* in the manuals used by Thoreau.

345. It is uncertain to which species Thoreau applies the names *Aster carneus* and *Aster salicifolius*, but most likely to *Aster simplex* of Gray's *Manual*, 8th ed.

346. Included here would be *Lycopodium hickeyi* not separated from *Lycopodium obscurum* until well after Gray's *Manual*, 8th ed. The two specimens in Thoreau's herbarium that he labeled as *Lycopodium dendroideum* have been identified as *Lycopodium hickeyi*.